JVC

SERVICE MANUAL

VIDEO CASSETTE RECORDER

BR-S411E/SA-S41E







SPECIFICATIONS

GENERAL

Format : VHS/S-VHS Europe standard Video signal system : PAL-type colour signal/

PAL-type Y/C signal

Tape speed : 23.39 mm/sec

Recording time : 180 min. with JVC SE-180

or E-180

Power requirement : DC 12 V
Power consumption : 16 watts

Dimensions : 297(W) x 240(H) x 137(D) mm Weight : 4.0 kg (without accessories) Operating temperature : 0°C to 40°C, Non-water proof

Storage temperature : -20°C to 50°C

VIDEO

Recording and Playback

system : Rotary two-head helical

scanning system
Luminance : FM recording

Colour : Phase shift, converted sub-carrier direct recording

Video output

Line : 1.0 Vp-p, 75 ohms, unbalanced Y/C : Y: 1.0 Vp-p, 75 ohms, unbalanced

: C: 0.3 Vp-p (Burst), 75 ohms,

unbalanced

Video S/N : More than 45 dB

Resolution
S-VHS mode : 400 lines
VHS mode : 250 lines

AUDIO

Frequency response

(at 3 % distortion)

Wow and flutter

ACCESSORIES

Audio dynamic range

Audio S/N

AUDIO INPUT : -20/+4 dB, 10 k-ohms, balanced,

XLR

(Microphone) : -60 dB, 3 k-ohms, balanced, XLR Line output : -6/-20 dB, 600 ohms, balanced

XLR

Earphone : -25 to -45 dBs variable, 8 ohms load unbalanced

: 40 to 12,000 Hz (Normal)

: 20 to 20,000 Hz (Hi-Fi) : 46 dB (Normal/NR-ON)/ 42 dB (Normal/NR-OFF)

: 80 dB (Hi-Fi)

: 0.007 % WRMS (Hi-Fi) : Battery pack (NB-G1U) x 1.

Battery holder x 1

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

Precautions during Servicing

- Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.
- 2. Parts identified by the A symbol and shaded () parts are critical for safety.

Replace only with specified part numbers.

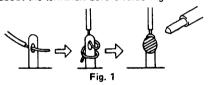
Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.

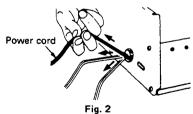
Caution for continued protection against fire hazard. Replace only with same type and rated fuse(s) as specified.

- 4. Use specified internal wiring. Note especially:
 - 1) Wires covered with PVC tubing
 - 2) Double insulated wires
 - 3) High voltage leads
- Use specified insulating materials for hazardous live parts. Note especially:
 - 1) Insulation Tape
- 3) Spacers
- 5) Barrier

- 2) PVC tubing
- 4) Insulation sheets for transistors
- When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.



- 7. Observe that wires do not contact heat producing parts (heat-sinks, oxide metal film resistors, fusible resistors, etc.)
- Check that replaced wires do not contact sharp edged or pointed parts.
- When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.



- 10. Also check areas surrounding repaired locations.
- 11. Products using cathode ray tubes (CRTs)
 In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

- 12. Crimp type wire connector
 - In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.
 - 1) Connector part number : E03830-001
 - Required tool: Connector crimping tool of the proper type which will not damage insulated parts.
 - 3) Replacement procedure
 - (1) Remove the old connector by cutting the wires at a point close to the connector.

Important: Do not reuse a connector (discard it).

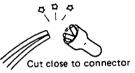


Fig. 3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid fraved conductors.



Fig. 4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

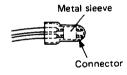


Fig. 5

(4) As shown in Fig. 6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimpfully to the complete closure of the tool.



Fig. 6

(5) Check the four points noted in Fig. 7.

Not easily pulled free Crimped at approx. center of metal sleeve Conductors extended

Wire insulation recessed more than 4 mm

Fig. 7

Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

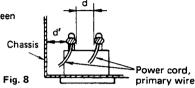
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

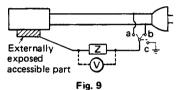


4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method: (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts, accessible part Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.



5. Grounding (Class I model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

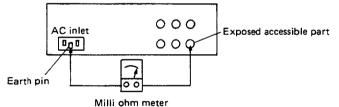


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≤ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V		D > 1 MO/F00 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V	Japan	R≧1 MΩ/500 V DC	AC 1.5 kV 1 minute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	_	AC 900 V 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R≧10 MΩ /500 V DC	AC 3 kV 1 minute (Class II) AC 1.5 kV 1 minute (Class I)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	0	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V	Europe & Australia	0—VV—0	$i \le 0.7 \text{ mA peak}$ $i \le 2 \text{ mA dc}$	Antenna earth terminals
220 to 240 V	Europe & Austrana	0	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

INSTRUCTIONS

JVC

BR-S411E

VIDEO CASSETTE RECORDER MAGNETOSCOPE A CASSETTE VIDEOCASSETTENRECORDER





WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

This unit should be used with 12 V DC only. CAUTION:

To prevent electric shocks and fire hazards, do NOT use any other power source.

NOTE:

The rating plate (serial number plate) is on the rear of the unit.

CAUTION

To prevent electric shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to quulified service personnel.

This equipment has been produced to comply with Directive number 82/499/EEC.

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PRECAUTIONS

Handling and storage

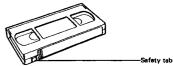
- Avoid using the recorder under the following conditions:
 - extremely hot, cold or humid places,
- dusty places,
- near appliances generating strong magnetic fields,
- places subject to vibrations, and
- poorly ventilated places.
- Be careful of moisture condensation,

Avoid using the recorder immediately after moving it from a cold place to a warm place or soon after heating a room which was cold. The water vapor in warm air will condense on the still-cold video head drum and tape guides and may cause damage to the tape and the recorder.

- · Handle the recorder carefully.
- Do not block the ventilation openings.
- . Do not place anything heavy on the recorder.
- Do not place anything which might spill and cause trouble on the top cover of the recorder.

Video cassettes

- This recorder employs S-VHS and VHS cassettes only.
- S-VHS: SE-180 for 180 minutes, SE-120 for 120 minutes. and SE-60 for 60 minutes of recording.
- VHS: E-240 for 240 minutes, E-180 for 180 minutes, E-120 for 120 minutes, E-60 for 60 minutes, and E-30 for 30 minutes of recording.
- Video cassettes are equipped with a safety tab to prevent accidental erasure. When the tab is removed, recording can not be performed. If you wish to record on a cassette whose tab has already been removed, use adhesive tape to block the hole.



- Avoid exposing the cassettes to direct sunlight. Keep them away from heaters.
- Avoid extreme humidity, violent vibrations or shocks, strong magnetic fields (near a motor, transformer or magnet) and dusty places.
- Place the cassettes in cassette cases and position vertically.

FEATURES

More than 400 lines of horizontal resolution

Conforming to the S-VHS format, the BR-S411E offers a picture with well over 400 lines of horizontal resolution which renders dramatic improvements in detail, clarity and presence, and fully justifies use in professional applications.

As a camcorder or a portable

The BR-S411E forms a compact camcorder in combination with a specific camera, or can be used as a separate portable recorder together with an existing camera using an optional VTR adapter.

Systems flexibility

Equipped with output connectors for both the composite and separated Y/C signals*, the BR-S411E flexibly interfaces with other video equipment. High-quality software programs can be produced using the BR-S411E as the master player and a current VHS or 3/4" U-VCR editing recorder (with or without Y/C 443 connectors), together with an optionally available editing controller. S-VHS editing recorders will further enhance and simplify editing.

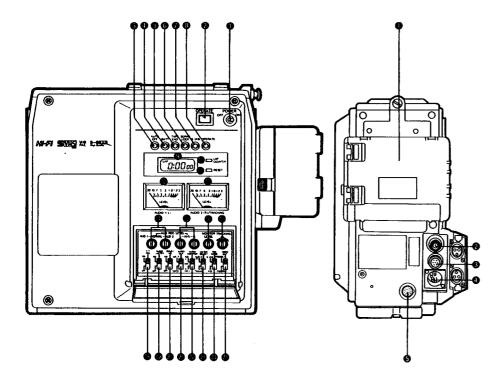
Rotary Erase Head

A rotary erase head ensures distortion-free assembled edits by reducing chroma beats.

- VITC (vertical interval time code) recording capability with SA-R100E Time Code Generator (optional).
- HQ (High Quality) circuitry incorporated for operation in the VHS PAL mode.
- Rugged construction using aluminum diecast body.
- Shuttle search function.
- Audio level meters and LCD electronic counter.
- Independent inputs for Hi-Fi and normal audio.
- · Hi-Fi audio recording can be defeated.
- Four audio recording level controls, allowing control of both Hi-Fi and normal audio for each channel.
- XLR input and output.
- Dolby** noise reduction system for normal audio.
- Switchable between VHS and S-VHS modes (SP mode only).
- Long pause/still mechanism.
- Comprehensive warning system.
- *A Y/C filtering technique incorporated under license from Faroudja Laboratories Inc.
- ** Dolby noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation, Dolby and the double-D symbol III are trademarks of Dolby Laboratories Licensing Corporation.

CONTROLS. INDICATORS AND CONNECTORS

REAR PANEL/BATTERY SIDE



REAR PANEL

@ POWER switch

Set to ON to turn the power on; the tape counter will be illuminated in the Lap Time mode. When used in combination with a camera or a simple editing control unit, the power is also supplied to the camera or the control unit with this switch set to ON.

@ OPERATE switch

To make the recorder operative, press this OPERATE switch while the power is on. The OPERATE LED indicator will light. Press again to switch it off.

INDICATOR SECTION

AUTO OFF indicator

This indicator lights when the capstan, drum and reel motors cease to rotate; the recorder enters the Stop mode automatically. When moisture condenses inside the recorder, this LED blinks rapidly and the recorder enters the Stop mode automatically. Refer to the chart on page

BATT indicator

This indicator blinks when the battery power drops to a level that needs recharging, and remains lit when the battery becomes completely depleted. Refer to the chart on page 7.

TAPE END indicator

Starts blinking shortly before the tape end, and remains lit when the tape comes to an end. This blinking time span differs slightly depending on the tape length of the cassette used. Refer to the chart on page 7.

6 SERVO LOCK indicator

Remains off while the drum and capstan servos are locked. When the servos are out of their lock ranges or when there is no input signal during recording, the indicator blinks at intervals of 1/4 second. During playback, it is always off. Refer to the chart on page 7.

S-VHS mode indicator

Lights during recording in the S-VHS MODE (selected with the REC MODE switch) and during playback in the S-VHS mode (selected through automatic detection).

OPERATE indicator

Lights when the OPERATE switch is pressed while the power is on.

Tape counter

Switchable between tape counter (from "0000" to "9999") and lap timer. In the Lap Timer mode, "LAP" appears at the left-hand corner of the display and a 5-digit display shows the amount of tape that has run, in hours, minutes and seconds.

LAP/COUNTER button

To switch the display between lap timer and tape counter.

RESET button

To reset the tape counter to "0000" or the lap timer to "0:00.00".

AUDIO-1(L) LEVEL meter

Shows the normal audio-1 or Hi-Fi left-channel level during recording and playback. Switching between normal and Hi-Fi audio is performed with the AUDIO OUT select

❸ AUDIQ-2(R) LEVEL/TRACKING meter

Shows the normal audio-2 or Hi-Fi right-channel level during recording and playback when the METER SELECT switch is set to AUD-2(R). Switching between normal and Hi-Fi audio is performed with the AUDIO OUT select switch. When the METER'SELECT switch is set to TRACK-ING, this shows the tracking during playback.

SUB CONTROLS

⊕ AUD REC LEVEL NORMAL AUD-1/AUD-2 controls

To adjust the normal audio recording level for audio-1 and audio-2 manually, referring to the audio level meters.

● AUD REC LEVEL Hi-Fi L/R controls

To adjust the Hi-Fi audio recording level for left channel and right channel manually,

MONITOR LEVEL control

Turn to adjust the earphone output level.

TRACKING control

Noise bars may be seen or breaks in the Hi-Fi sound may be heard, when playing back a tape that was recorded with a different recorder. To correct this, turn the TRACKING control so that the needle of the TRACKING meter makes its maximum deflection.

Hi-Fi REC switch

ON: To record sound on the Hi-Fi audio track.

OFF: To defeat the recording of sound on the Hi-Fi audio track.

AUDIO LIMITER switch

Set to ON to activate the limiter circuit for the normal audio. The limiter circuit is switched on or off simultaneously for the audio-1 and audio-2 channels, Manual level control is possible even when the limiter circuit is switched on.

DOLBY NR switch

Set to ON to activate the noise reduction circuit for the normal audio track. To play back a tape which was recorded with the DOLBY NR switch set to ON, be sure to set the DOLBY NR switch to ON.

AUDIO OUT select switch

Selects the audio signal to be output from the AUDIO OUT connectors, earphone jack or checked on the audio level meters.

Hi-Fi: To check the Hi-Fi audio signals.

NORM: To check the normal audio signals.

@ AUDIO MONITOR switch

Selects the audio signal to be output via the earphone jack.

AUD-1 (L): To monitor the audio signal on audio-1 or the left channel.

MIX: To monitor the mixed sound of audio-1 (L) and audio-2 (R).

AUD-2 (R): To monitor the audio signal on audio-2 or

the right channel.

METER SELECT switch

Selects the function of the AUDIO-2 (R)/TRACKING

AUDIO-2 (R): To show the audio level of normal audio-2 or Hi-Fi audio right channel.

TRACKING: To show the playback FM signal level.

REC MODE switch

Selects the recording mode of the video signal, S-VHS: To record in the S-VHS mode using S-VHS tape.

VHS: To record in the VHS mode.

W VIDEO OUT select switch

PROCESS-1: Normally set to this position.

PROCESS-2: In this position, the playback pictures are slightly affected by noise, but the recorded pictures have better detial. Use this position when using the BR-S411E as a feeder in edit-

BATTERY SIDE

Battery holder

Insert an exclusive battery pack (NB-G1U) into this holder. **O** VIDEO OUT connector (BNC)

Line output connector for composite video signal.

Y/C 443 output connector (7-pin)

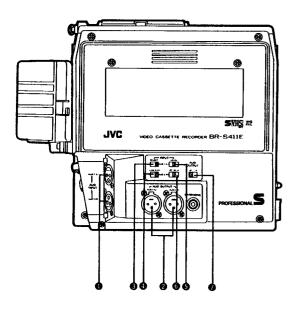
To deliver Y/C 443 video signals (separated luminance and chroma signals).

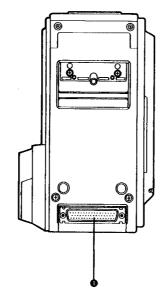
O DC IN 12 V connector

Connect the AA-G10E battery charger/power adapter (optional) for AC operation.

TIME CODE connector (10-pin)

Connect the SA-R100E Time Code Generator (optionally available) when you wish to record the VITC (vertical interval time code).





FRONT PANEL

- AUDIO INPUT connectors (AUD-1/L, AUD-2/R) Audio input connectors for Normal and Hi-Fi audio when the AUDIO INPUT SELECT switch • or • is set to LINE for each channel.

- AUD-2 (R) INPUT select switch Selects the input signal (camera or Line AUD-2/R of AUDIO IN connector •) to be recorded.
- Select -60 dB, -20 dB or +4 dB according to the level of the AUD-1/L input signal.
- O AUD-2 (R) INPUT level select switch Select -60 dB, -20 dB or +4 dB according to the level of the AUD-2/R input signal.

Note: ~60 dB: Audio recording from microphone.

-20/+4 dB: Audio recording from VTR or other audio equipment.

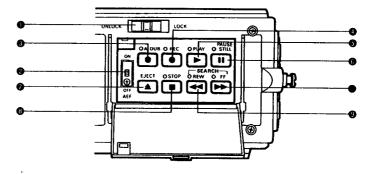
AUDIO OUTPUT level select switch

Select -20 dB or -6 dB according to the level of the audio output signal. The level is switched for both Left/Right audio channels simultaneously.

CAMERA CONNECTOR SIDE

❸ Camera connector (50-pin)

Connect a video camera equipped with a 50-pin VTR docking connector.



UNLOCK/LOCK slide knob

Slide to UNLOCK to open the control panel cover. Leave it in the LOCK position in normal shooting operation.

AEF ON/OFF switch

Normally set this switch to ON. To re-set to OFF, loosen the screw and remove the stopper plate. In the OFF position, the preroll function is switched off for prompt response in recording, though the picture at the switching point between pause and restart is distorted.

A DUB button

To start audio dubbing, press the PLAY button while holding the A DUB button depressed. The A DUB and PLAY LED indicators will light and the sound on the normal audio-2 track will be replaced by new material.

REC button

To start recording (video and audio), press this button together with the PLAY button. To stop recording, press the STOP button. When the REC button is pressed together with PAUSE/STILL button, the tape is rewound for 1-3 seconds and stops in the Record-Pause mode (Recording Standby mode). Recording starts by pressing the camera's trigger.

@ PLAY button

Press to start playback. Press together with the REC button for recording, and with the A DUB button for audio dubbing.

M PAUSE/STILL button

Press to stop the tape temporarily during recording or playback. The PAUSE/STILL LED indicator will light. When this button is pressed during recording, the tape is rewound for 1.3 seconds and stops in the Record-Pause

mode (when AEF mode is on). When the PLAY button is pressed, or triggered by the camera's start/stop button, the tape starts running and recording starts at the position where the previous recording stopped. When this button is pressed during playback, a still picture is obtained. For frame advance, press it repeatedly. To resume normal playback, press the PLAY button.

Ø EJECT button

Press to lift the cassette housing. Functions only in the Stop mode. To eject the cassette in any other mode, first press the STOP button, then the EJECT button.

STOP button

Press to stop the tape. When this button is pressed while the tape is running, the LED indicator lights and the tape is completely withdrawn into the cassette. This state is referred to as the Stop mode.

@ REW button

When the button is pressed in the Stop mode, the REW LED indicator will light.

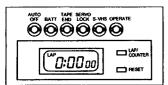
Pressing this button in the Play on Still mode enables high-speed playback at about 9 times normal in the reverse direction. During search the REW indicator will remain lit.

FF button

When the button is pressed in the Stop mode, the FF LED indicator will light.

Pressing this button in the Play on Still mode enables high-speed playback at about 9 times normal in the forward direction. During search the FF indicator will remain lit.

COMPREHENSIVE WARNING SYSTEM



To ensure trouble-free operation and quality recordings, the BR-S411E has a comprehensive array of warning indicators. When any of the warning indicators lights or flashes, beeps can be heard in the output sound from the EARPHONE jack. With some cameras, their tally lamps are controlled by the same warning signal and present identical indications. The following chart summarizes the facts relating to the warning system.

Indication symbols:

: The LED remains lit.

: The LED flashes at intervals of 1 second.

The LED flashes at intervals of 1/4 second.
 Continuous warning tone is heard.

	Indication		Alarm sound1) in the	VCR operation		Tally indication on		
LED indicator	M	ode	earphone	Mode		camera		Remarks
	REC	PLAY	REC	REC	PLAY	BATTERY	REC	
SERVO LOCK	•	-	~~~~	Continues	-	-	•	Out of lock.
TAPE END	•	-	~~~	Continues	-	1	•	About 2 minutes before the end of the tape.
	0	0	~~~~~	Stops	Stops	-	-	Tape end.
AUTO OFF	O	•	~~~~~	Operate OFF	Operate OFF	-	-	Capstan, drum or reel motors stop.
	0	0	~~~~	Stops	Stops	_	_	Condensation. ²⁾
BATT	•	•	~~~ ~~~	Continues	Continues	•	•	Slightly before the battery is depleted.
	0	0	~~~~~	REC LOCK	Operate OFF	0		Battery depleted.

2) If the AUTO OFF state due to condensation occurs, dry inside the recorder.

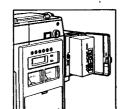
POWER SUPPLY

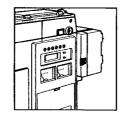
Power can be supplied in two ways as required.

- 1. Using the NB-G1U battery pack (provided).
- Using the AA-G10E AC power adapter/battery charger (optional)
- To remove the battery pack, open the battery compartment door and press the battery release button. The battery pack will be released. Withdraw the battery pack.
- · Read the instructions on the battery pack carefully.

USING THE NB-G1U BATTERY PACK

- Make sure that the POWER switch of the BR-S411E is OFF.
- Slide the battery compartment door latch of the battery holder to the right and open the door.
- Insert the NB-G1U battery pack into the battery holder with its printed label to the left.
- 4. Close the door of the battery holder.

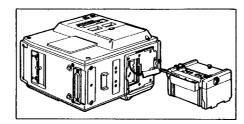




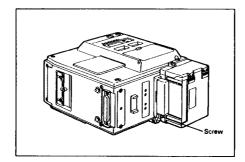
USING TWO NB-G1U BATTERY PACKS WITH AN OPTIONAL BATTERY HOLDER

When the BR-S411E is used in a camcorder configuration, one battery pack can be installed inside the provided battery holder and the other can be attached externally using an optional battery holder. Both battery packs operate in parallel to prolong the recording time.

 Open the cover of the DC connector pocket and pull out the DC connector. Combine this connector with the DC connector of the battery holder. Then store these connectors into the pocket.

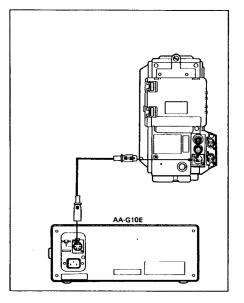


Mount the battery holder onto the BR-S411E and secure with the screws. Insert a battery pack into the battery holder.



USING THE AA-G10E BATTERY CHARGER/ AC POWER ADAPTER

- Connect the DC OUT connector of the AA-G10E to the DC IN connector of the BR-S411E using the DC cord provided with the AA-G10E.
- Connect the power cord to the AA-G10E and plug it into an AC outlet.
- 3. Press the VCR button on the front panel of the AA-G10E.
- 4. Press the POWER button of the AA-G10E to ON.
- If the battery pack remains inside the battery holder, its power is consumed even when the AA-G10E powers the recorder. Be sure to remove the battery pack during AC operation.
- For more details refer to the instruction manual of the AA-G10E.

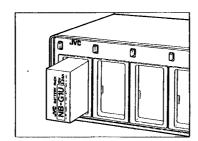


RECHARGING THE NB-G1U BATTERY PACK

To charge the battery pack, use the exclusive AA-G10E adapter/battery charger (AC power). No other charger, including JVC's other models, can be used to charge the NB-G1U battery pack.

The AA-G10E can charge 4 battery packs at a time. Two different charging modes are available; normal charging and quick charging. In normal charging, 4 battery packs are charged in parallel and charging is completed in about 10 hours. In quick charging, charging is performed one battery at a time, taking about 90 minutes per battery pack. After the 4 battery packs have been charged in sequence, they are charged together in the normal charging mode for one hour.

- Insert a battery pack into each compartment of the AA-G10E, contacts first and with the printed side to the left, until it locks into place.
- 2. Press the POWER button of the AA-G10E to ON.
- 3. Press either the QUICK CHARGE or NORMAL CHARGE button depending on the charging mode you select.

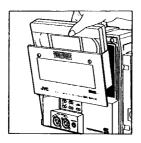


- If the BR-S411E is connected to the AA-G10E, make sure that its POWER button is OFF.
- For more details about charging, refer to the instruction manual for the AA-G10E.

LOADING AND UNLOADING A CASSETTE

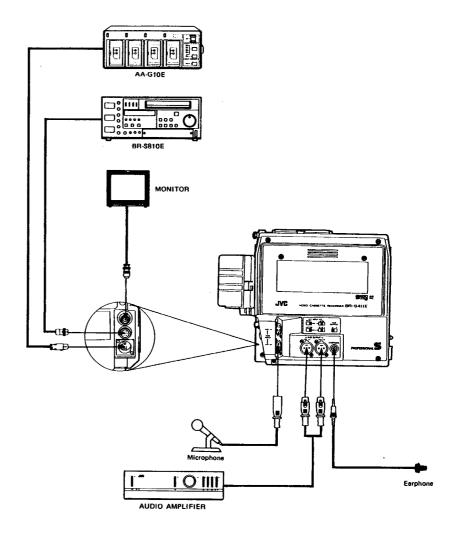
- Set the POWER button to ON and press the OPERATE button before inserting a cassette. If the AUTO OFF indicator should flash, do not insert a cassette, but put the machine in a dry place and wait until the indicator goes off.
- Before inserting a cassette, check to see if there is any tape slack.
 To remove the cassette, the power should be on, otherwise
- To remove the cassette, the power should be on, otherwis the tape is not unloaded.
- If a cassette is loaded near the end of the tape, tape loading may not be performed and the TAPE END indicator will remain lighted. If you wish to record onto the last few minutes of tape, remove the cassette and rewind the tape slightly by hand or with a tape winder.
- If the EJECT button does not function when the power is off, first switch on the power, then press the EJECT button.

- Press the EJECT button, and the cassette housing will open gently. Insert a cassette correctly so that the groove of the cassette is in line with the cassette guide of the cassette housing
- Press the housing cover down by hand at the top edge. The STOP LED will light.

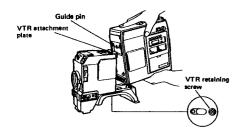




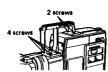
CONNECTIONS



ATTACHING A CAMERA



- 1. Remove the red cap from the camera connector.
- Attach the camera to the BR-S411E by aligning the portions which engage.
- 3. Attach the camcorder carrying handle.



RECORDING

RECORDING PROCEDURE

- 1. Set the POWER switch to ON.
- 2. Press the OPERATE button.
- In the camcorder configuration, use the OPERATE switch on the camera (set it to ON). Power will be supplied to both the BR-S411E and the camera.
- Slide the UNLOCK/LOCK knob to UNLOCK and open the control panel cover.
- Press the EJECT button to open the cassette housing, and Insert a cassette.
- 5. Press the REC and PLAY buttons to start recording.
- When using a camera, this engages the Record-Pause mode and actual recording will be started by the camera's
- To stop recording temporarily, press the PAUSE/STILL button. To re-start recording, press the PLAY button.
- When using a camera, tape start/stop will be controlled by the camera's trigger. When the camera's power is

turned off, the recorder enters the Record-Lock mode so that it can enter the Record-Pause mode when the power is reapplied to the camera.

 Do not stop recording with the STOP button, otherwise the AEF mechanism will not function. (For the AEF mechanism, refer to page 12.)

Notes

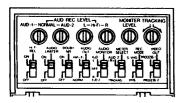
- Even if the recording mode is switched from VHS to S-VHS during recording in the VHS mode with a VHS cassette loaded, the mode will not change, but VHS recording will continue with the S-VHS mode indicator blinking.
- When using a camera, if recording is started immediately after the camera is switched from the power save mode to the standby mode, the picture will be distroted until the servo system locks. Before starting, allow for longer than 6 seconds after the camera is engaged in the standby mode.

AUDIO LEVEL ADJUSTMENT

The audio recording level can be adjusted independently for Hi-Fi L, Hi-Fi R, normal audio-1 and audio-2 channels.

1. Hi-Fi audio recording level adjustment

Set the Hi-Fi REC select switch to ON and set the AUDIO OUT switch to Hi-Fi to switch the audio level meters to the Hi-Fi level mode. Turn the AUD REC LEVEL Hi-Fi L or R control unit the corresponding audio meter deflects to "O" with the highest level input signal.



2. Normal audio recording level adjustment

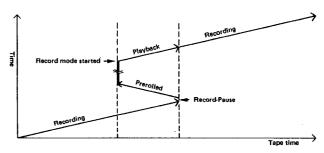
Set the AUDIO OUT switch to NORM to switch the audio level meters to the normal audio level mode. Turn the AUD REC LEVEL NORMAL AUD-1 or AUD-2 control until the corresponding audio meter deflects to "0" with the highest level input signal.

Notes:

- When monitoring the sound with an earphone, the earphone output can be switched among audio-1(L), audio-2(R) and a mixture of the two with the AUDIO MONITOR select switch.
- It is recommended, especially in live recording, that the AUDIO LIMITER switch be set to ON to avoid overlevel recording.
- · Set the DOLBY NR switch as required.

AUTOMATIC EDITING FUNCTION

The AEF mechanism helps prevent picture distortion at edit points in assemble recording. When the PAUSE/STILL button is pressed during recording, the tape is rewound by about 1.3 seconds of program time and stops in the Record-Pause mode. When recording is re-started by pressing the PLAY button, recording does not take place for the first 1.3-second period, during which tape running is stabilized for smooth transition to the next edit.

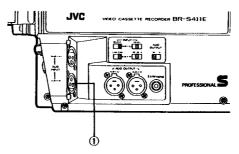


Notes

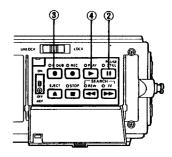
- If recording is re-started from the Stop mode, rainbow noise will be introduced at the transition between the previous and new recordings because of overlapped recording.
- Do not move the unit violently in the Record-Pause mode, otherwise frames may be missed.

AUDIO DUBBING

The BR-S411E has an audio dubbing function which enables the normal audio-2 soundtrack to be replaced with new material.



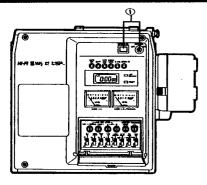
- (1) Connect a sound source to the MIC AUD-2(R) jack or the AUDIO IN AUD-2(R) connector, Adjust the recording level.
- ② Play back the tape and press the PAUSE/STILL button at the position from which you want to start audio dubbing.
 ③ Press the PAUSE/STILL button while holding the A DUB.
- (3) Press the PAUSE/STILL button while holding the A DUB button depressed.

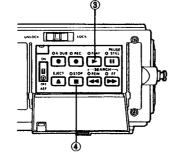


Press the PLAY button to start audio dubbing. Press the PAUSE/STILL button to stop audio dubbing temporarily. To end audio dubbing, press the STOP button.

PLAYBACK

PLAYBACK PROCEDURE



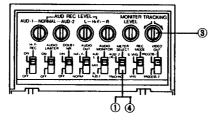


- (1) Set the POWER switch to ON and press the OPERATE
- 2 Insert a recorded cassette correctly.
- (3) Press the PLAY button to start playback.
- (4) Press the STOP button to stop playback.

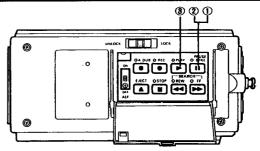
 If excessive noise bars appear or the pictures look grainy, adjust the TRACKING control.

TRACKING ADJUSTMENT

- (1) Set the METER SELECT switch to TRACKING.
- (2) Play back the tape.
- (8) While referring to the AUDIO-2(R)/TRACKING meter, turn the TRACKING control slowly so that the meter makes the maximum deflection to the right.
- Normally set the TRACKING control to its center posi-
- (4) After completion of tracking adjustment, re-set the METER SELECT switch to AUD-2(R) so that the meter will function as an audio level meter.



STILL AND FRAME ADVANCE



- 1) Press the PAUSE/STILL button during playback to view a still picture.
- (2) To advance the still picture, press the button again.
- Holding the PAUSE/STILL button depressed will continuously advance the still picture one frame at a time to give a slow-motion effect.
- This function is not available with the remote control unit's (optional) PAUSE button.
- (3) To resume normal playback, press the PLAY button.

Notes:

- To protect the tape and video heads, the tape is automatically fed for several frames if the Still mode continues for about 3 minutes and then again after another 3 minutes. If the Still mode continues for about 9 minutes. the Stop mode will be engaged automatically.
- · Still pictures may contain some noise or vibrate vertically. This is not due to any defect of the unit,
- The FRAME ADVANCE mode cannot be engaged by the remote control unit (optional).

SHUTTLE SEARCH & REW/FF

When the REW or FF button is pressed in the stop mode, normal rewind or fast forward takes place. When these buttons are pressed in the Play or Still mode, the tape runs at about

9 times normal speed in the corresponding direction. The buttons can be locked and the indicator lights. You can follow the speed-up picture on the monitor screen.

SPECIFICATIONS

GENERAL

Format : VHS/S-VHS Europe standard Video signal system : PAL-type colour signal/

PAL-type Y/C signal : 23.39 mm/sec Tape speed Recording time : 180 min. with JVC SE-180

or E-180

: DC 12 V Power requirement Power consumption : 16 watts Dimensions

: 297(W) x 240(H) x 137(D) mm Weight : 4.0 kg (without accessories) Operating temperature : 0°C to 40°C, Non-water proof

Storage temperature : -20°C to 50°C

VIDEO

Recording and Playback

svstem : Rotary two-head helical scanning system

Luminance : FM recording Colour : Phase shift, converted

sub-carrier direct recording

Video outout

Line : 1.0 Vp-p, 75 ohms, unbalanced Y/C : Y: 1.0 Vp-p, 75 ohms, unbalanced

: C: 0.3 Vp-p (Burst), 75 ohms, unbalanced

Earphone

Video S/N

Resolution

AUDIO

S-VHS mode

VHS mode

AUDIO INPUT

(Microphone)

Line output

: -25 to -45 dBs variable, 8 ohms

XLR

: -20/+4 dB, 10 k-ohms, balanced,

: ~60 dB, 3 k-ohms, balanced, XLR

: -6/-20 dB, 600 ohms, balanced

load unbalanced

: More than 45 dB

: 400 lines

: 250 lines

XLR

Frequency response : 40 to 12,000 Hz (Normal) : 20 to 20,000 Hz (Hi-Fi)

Audio S/N : 46 dB (Normal/NR-ON)/ (at 3 % distortion) 42 dB (Normal/NR-OFF)

: 80 dB (Hi-Fi) Audio dynamic range

Wow and flutter : 0.007 % WRMS (Hi-Fi) **ACCESSORIES** : Battery pack (NB-G1U) x 1, Battery holder x 1

SECTION 1 GENERAL DESCRIPTION

1.1 COMPARISON TABLE OF DIFFERENT PARTS & FUNCTION BY MODEL

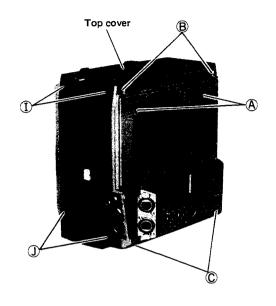
In the following table, branch numbers of parts numbers are omitted. "
—" means the same as left, "X" means no installation.

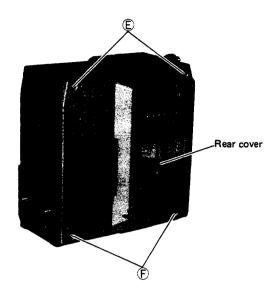
	BR-S411E	BR-S410EX	BR-S410E
Search function	O (fixed at 9 times)	<u> </u>	+
Insert editing	AUD-2 DUB.	+	←
VITC ready	0	×	←
Drum assembly	PDV2158D	← (#551)	← (#1746
Upper Drum	PDM2140B	← (#551)	← (#1746
A/C Head	PGZ00588	←	+
Full Erase Head	PQ40865A	←	+
Flying Erase Head	0	×	←
Capstan Motor	PGZ00665	←	←
Clutch Mechanism	PGZ01257	← (#401)	← (#1626
TU Impedance Roller	PRD42434A	X	← (#76)
Cassette Housing	PGS20168C	PGS20168B	← (#76)
			· · · · · · · · · · · · · · · · · · ·
ALU circuit	1 0	X	
Audio input	BALANCE	UNBALANCE	+
VIDEO PWB	PRK10008A	PGE10107A	+
COLOR PWB	PRK20032A	PGE20230A	*
SERVO PWB	PGE10096A	←	+
MDA PWB	PGE40243A	-	+
AUDIO PWB	PGE10037B	· —	+
FM A SUB PWB	PRK30006A	PGE10037B	+
FM A PREAMP PWB	PGE30099B	+ d2100072	÷
REGULATOR PWB	PGE30158A	+	`
SYSCON PWB	PGE20209A	· · ·	`
ERASE PWB	PGE40238A	← (#551)	← (#1746)
FE HEAD PWB	PGE40185	← (#331)	
XLR PWB	PRK20029A	×	<u></u> ← ←
AUDIO CONNECTOR PWB	PGE40273A	x	-
SWITCH PWB	PGE30055A	<u> </u>	
VIDEO PREAMP PWB	PGE20243A		+
START SENSOR PWB	PGE40156A	←	+
END SENSOR PWB	PGE40157A	←	+ +
	· · · · · · · · · · · · · · · · · · ·		+
TU SENSOR PWB	PU56615	-	-
SUP SENSOR PWB	PU58141	←	
DC IN PWB	PGE40120A	←	+
VIDEO OUTPUT PWB	PGE40100A	←	+
FUSE PWB	PGE40239A	-	-
MAIN SWITCH PWB	PGE40244A	←	+
OPERATION BUTTON PWB	PGE40121A	←	+
COUNTER PWB	PGZ00501A	←	+
DELAY LINE PWB	PGE20229A	←	+
COLOR SUB PWB	PGE20231A	-	+
A/V OUT PWB	X	+	PGE10097A3
ADAPTER 1 PWB	X	-	PGE10097A1
ADAPTER 2 PWB	X	←	PGE10097A2
A/C HEAD PWB	PGE40009	←	+
VITC JUNC PWB	PRK40003A	×	←
AD REC PWB	PRK30011B	X	←
VIDEO (2) PWB	PRK40007A	X	<u></u> ←
EARPHONE PWB	PGE40275A	X	÷

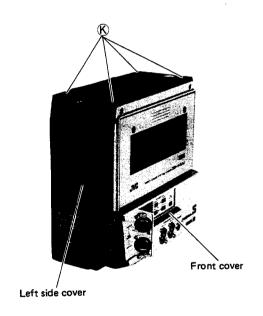
1.2 REMOVING EXTERNAL COVERS

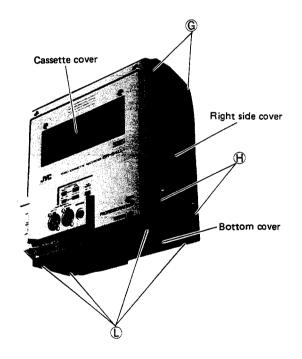
For the most part, the external covers of this model are attached together. The Table lists the screws to be removed or loosened in order to remove a specific cover.

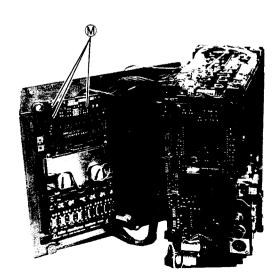
Cover	Remove Screws	Lossen Screws (about 3 turns)	Description
Front (cassette cover)	Screw (A), (B), (C) Tatal 6	_	The cassette cover can be removed by taking out 2 screws (A).
Rear	Screw (E), (F), (M) Total 7	-	The Operation board 27 is attached to the rear cover by screws (M).
Тор	Screw (B), (E), (G) (1), (K) Total 12	Screw (A), (C), (F) Total 6	Remove or loosen screws securing the front and rear covers as necessary when removing and replacing these covers.
Right Side	Screw B, C, E, F, remove one each from right side cover and screws D, G, H Total 10	Screw B, C, E, F, loosen 1 each at left side cover and screws A Total 6	Notes: 1) Remove camera adapter or battery case when removing the side covers. See operation manual. 2) At the left side cover, the battery case connector
Left Side	Screw (B), (C), (E), (F) remove one each from left side cover and screws (1), (J) Total 8	Screw B, C, E, F loosen 1 each at right side cover and screws A Total 6	is secured by binding.
Bottom	Screw © , F , H , ① , ① Total 12	Screw (A), (B), (E) Total 6	Slightly open the front and rear covers (about 5 mm) when removing. Grasp the left side cover and pull it toward the left to where bottom cover can be separated from the right side cover. Also pull the bottom cover toward the left and disengage the right side cover. Then raise the bottom cover toward the right and remove it. Note:
			The battery case connector is also secured to the bottom cover by binding.







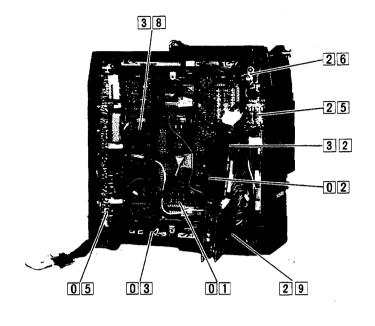


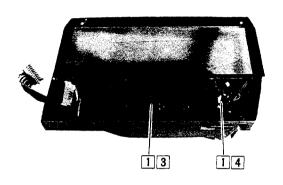


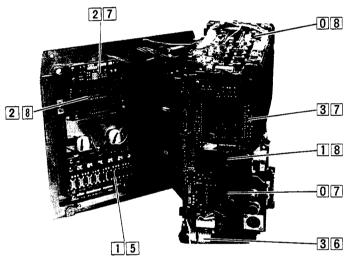
1.3 REMOVING MAIN BOARDS

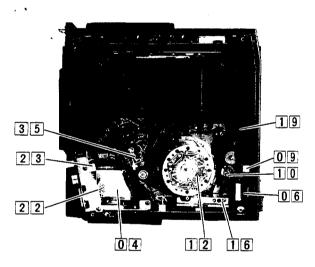
Caution: Be sure to cutoff power when removing and inserting circuit boards. Also use care to return boards, connectors, etc. To their initial locations. The Table indicates locations of the main boards.

Group	Board Name	Removal
Α	01 VIDEO (38 VIDEO-2 incl.) 02 COLOR (29 PB COMB, 32 COLOR SUB incl.) 05 AUDIO (05 FMA SUB incl.) 15 SWITCH 25 FUSE 26 MAIN SWITCH 27 OPERATION BUTTON	 Remove rear cover (see Section 1.2). Disengage connectors and screws securing the boards. Notes: SWITCH board is attached to the rear cover. To remove the FUSE board, take out two screws securing the MAIN SWITCH board. Press the FUSE board gently from below to disengage from the bracket. The FUSE and MAIN SWITCH boards include directly soldered wires. Use care regarding wire placement when removing and installing the VIDEO board.
В	09 ERASE 19 END SENSOR	 Remove righ + cover (see Section 1.2). Remove screws and nylon rivets securing the boards. Disengage connectors and wires attached to the boards.
	07 REGULATOR 18 START SENSOR 36 VITC JUNC 37 ADVANCE REC	 Remove left cover (see Section 1.2). Remove screws and nylon rivets securing the boards. Disengage connectors and wires attached to the boards.
С	22 DC IN 23 VIDEO OUTPUT	 Remove cassette cover, front cover and bottom cover (see Section 1.2). Take out 4 screws securing the SERVO BOARD. Take out 3 screws and remove the board bracket assembly. Note: Connectors are soldered to boards.
D	10 FE HEAD 12 UPPER DRUM 35 A/C HEAD	1. Remove front cover (see Section 1.2). 2. Unsolder board connecting wires.
E	03 SERVO 04 MDA	 Remove the bottom cover. Slightly pull out the SERVO board and disengage the connectors (also disconnect the MDA board connectors). Pull out the SERVO board to remove it together with the MDA board.
F	06 FM A PREAMP 16 VIDEO PREAMP	1. Remove front, right side and bottom covers (see Section 1.2).
G	08 SYSCON	 Remove top cover (see Section 1.2). Take out screws securing the board, disengage connectors, and remove the board.
Н	13 XLR 14 AUDIO CONNECTOR 39 EAR PHONE	 Remove front cover (see Section 1.2). Take out screws from board or connectors. Remove connectors from board. Note: When removing the XLR connector from the AUDIO CONNECTOR board, remove the lever indicated in the figure. Raise the lever and pull to lemove.











SECTION 2 MECHANISM ADJUSTMENTS

2.1 MECHANISM ADJUSTMENTS

- Study the manual and proceed with these adjustments only after gaining adequate understanding.
- 2. This set has been precisely adjusted prior to shipment from the factory. Adjust only after replacing parts and only by the method described here. Avoid disturbing other parts and adjustments.
- Preform checks and adjustments only when the proper fixtures and test instruments are available. Use extreme care not to scratch or damage mechanical components (especially the tape transport and head drum).
- Disengage DC IN connector and battery before replacing parts, soldering, etc.
- 5. Use care not to drop hardware (screws, washers, etc.) into the mechanism. Be sure to retrieve any such parts before returning the set to operation.
- Note that mechanical and electrical adjustments are interrelated. Perform mechanism adjustments with particular care, since in many cases, they form the bases for the ensuing electrical adjustments.
- To operate the Play mode without tape, cover the cassette LED and press the PLAY button. When the drum begins rotating, slowly turn the supply reel disk by hand.

Note: Use care since start and end sensors may misoperate due to external light.

 Be sure to clean the tape transport system after completing checks and adjustments. Periodic inspection is also recommended for maintaining top condition and avoiding damage to important tapes.

2.2 TOOLS AND FIXTURES

 The following tools and fixtures are required for performing mechanism adjustments. Attempts to adjust without them would entail a long period of trial-anderror, which still would not yield the required precision and performance.

Note: Also be sure to procure the test instruments and fixtures needed for electrical system adjustments. See Section 3.

- In addition to special tools, the following test instruments and tools are required.
 - Color TV/monitor
 - Hexagonal (metric Allen) wrenches:
 for 2 mm (0.9 mm), 2.6 mm (1.27 mm), 3 mm (1.5 mm)
 - Oscilloscope (wide-band, dual-trace)
 - Spare recording tape (T-120)
 - Spare tape for transport checks (T-120)
 - Set of metric screwdrivers
 - Other standard electronics tools (metric where available)

Alignment tape MHPE, MH-F8	Cassette torque meter PUJ42881	Parallel check plate PUJ50204	A/C head positioning tool PUJ47351-2
Micro-checker PUJ49712-2	Micro-checker attachment PGJ04006		
	• •		

Fig. 2-1 Special fixtures and tools

2.3 MAIN PARTS LOCATIONS

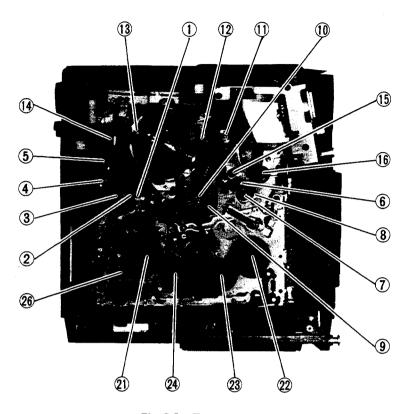


Fig. 2-2 Top view of deck

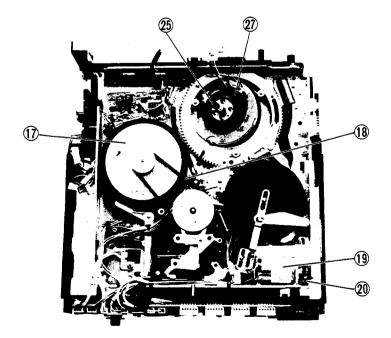


Fig. 2-3 Bottom view of deck

- 1 Tension pole
- 2 Supply slanted pole
- 3 Supply guide roller
- (4) Tension roller
- 5 Impedance roller
- 6 Take-up guide pole
- 7 Capstan
- 8 Take-up guide assembly
- (9) Take-up guide roller
- 10 Take-up slanted pole
- 11) Take-up Impedance roller
- 12 Lower drum assembly
- 13) Upper drum assembly
- 14) Full erase head
- 15) A/C head
- 16 Pinch roller
- (17) Capstan motor
- (18) Reel belt
- (19) Mode control motor
- (20) Belt
- (21) Supply reel disk
- 22) Take-up reel disk
- 23 Take-up clutch
- 24) Supply clutch
- 25) Brush
- (26) Tension band
- Pick-up head

2.4 MAIN PARTS REPLACEMENT TABLE

Periodic inspection and maintenance are needed in order to ensure performance and reliability. The following table has been compiled simply to give a general idea regarding maintenance and inspection. In practice, the periods indicated will vary widely according to environmental and usage

conditions. Also be aware that rubber parts may deform and age even when the equipment is not used. The upper drum life is particularly affected by environmental and usage conditions.

	:		Periodic servicing schedule (operating hours)				ina ech	edule (onorat	na hou	· ·		5,	<u> </u>
No.	Parts Name	Parts No.	500						<u> </u>		4500	5000	Ref. sect.	Remarks
Tapı	e transport system													I
1	Tension pole ass'y	PRD42146A											[···	Perform cleaning with
2	Supply slanted pole	Ass'y No.	•											finely woven cloth or gauze moistened in al-
3	Supply guide roller	PRD42474A-01												cohol.
4	Guide roller	PRD42131												Confirm that the
5	Impedance roller	PRD42129												cleaned locations are thoroughly dry before
6	Take-up guide pole	PU53629-2	*	*	*	*	*	*	*	*	*	*		operating the deck.
7	Capstan shaft	-												For lubrication, use sewing machine oil or
8	Take-up guide ass'y	PQ40993B												good quality spindle
9	Take-up guide roller	Ass'y No.				ĺ								After cleaning with al-
10	Take-up slanted pole	PRD42473A-01												cohol, apply 1 or 2
11	Take-up impedance roller	PRD42434A-01												drops of oil.
12	Lower drum ass'y	PDM2078D	*	*	*	*	*	*	*	•	*	*	2.5.3	
13	Upper drum ass'y	PDM2140B	0	•	0	•	0	•	0	•	0	•	2.5.2	
14	Full erase head	PQ40865A	*	*	*	*	*	*	*	*	*	•	2.5.7	
15	A/C head	PGZ00588	*	*	*	•	*	*	*	•	*	*	2.5.8	
16	Pinch roller	PQ41125A	*	*	*	•	*	*	*	•	*	*	2.5.9	•
Driv	ing system													
17	Capstan motor	PGZ00665								•			2.5.5	
18	Capstan belt	PQM30003-12				•				•			2.5.5	
19	Mode control motor	PU56592V								•			2.5.6	
20	Belt	PQM30003-15				•				•			2.5.6	
21	Supply reel disk	PGZ00894-01-01		_		Δ				Δ			2.5.10	
22	Take-up reel disk	PU57581				Δ				Δ			2.5.10	
23	Take-up clutch	PU56650-1-4				0				0		Ì	2.5.11	☐ Perform torque
24	Supply clutch	PGZ01258				0				0			2.5.11	check.
Othe	ers													
25	Brush ass'y	PU56798-3	*	*	*	0	*	*	*	•	*	*	2.5.13	
26	Tension band ass'y	PQ40851A		0		•		0		•		0	2.5.12	— Perform back ten-
27	Pickup head	PU57619											2.5.13	sion check.

(\star = Clean. \circ = Check, or replace if necessary. \bullet = Replace. \triangle = Lubricate.)

Table 2-1 Main parts maintenance and replacement standard

2.5 MAIN PARTS REPLACEMENT

Perform all replacements according to the steps provided below.

Remove external covers, boards, connectors, cassette housing, etc. as required. Avoid unnecessarily disturbing other parts and adjustments.

2.5.1 Cassette housing removal

- 1. Remove side panel and 3 7 AD REC board Assembly (See Section 1.3)
 - Take out screws 1 and disengage connector 2 . Cut the wiring binder.
 - Important: Be sure to bind the wires when reassembling.
- Take out cassette housing screws (4) and lift the housing.
 As it will contact the nylon structure (3) of the end sensor, very carefully bend the frame by hand to remove the cassette housing. (It is recommended to set the cassette housing to the Eject mode for removing it with ease.)
- Reinstall the cassette housing by reversing the above steps.

Note: When removing and reinstalling the cassette housing, use care not to contact or apply pressure to the tention roller.

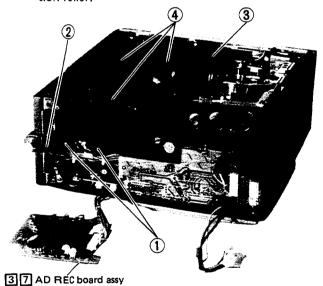


Fig. 2-4

2.5.2 Upper drum replacement

Drum cleaning:

Moisten Kimwipe* in alcohol or Daifron*. Press with middle finger of right hand against drum (100 to 150 grams pressure). With left hand, turn the upper drum. Perform cleaning in side-to-side direction, while avoiding contact with the heads. By no means wipe in vertical direction, as this may dislodge the heads. To clean the heads, use Xerox* paper. Press against the head (100 to 120 grams pressure) and turn the drum to clean in side-to-side motion; again avoid up-and-down motion.

(* = Registered trademarks. Check with JVC representative for suggested locally available products.)

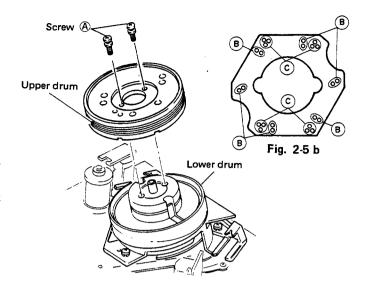


Fig. 2-5 a

- 1. Remove the cassette housing. (See Section 2.5.1)
- 2. Unsolder the upper drum board ass'y at the points of © and ® (Fig. 2-5b) and take out the board.

Reference: In such a case of removing the upper drum board together with the upper drum for replacement of the lower drum, etc., unsolder at the point © only.

- 3. Take out 2 screws (a) (Fig. 2-5) and pull the upper drum upwards to remove it.
- Clean the contacting faces of the new upper drum and the lower drum with alcohol, then install the new upper drum.

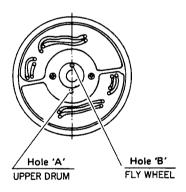


Fig. 2-6

Note: Observe position when installing the new upper drum.

As indicated in Fig. 2-6, install with hole 'A' (2.7 mm)

180° opposite hole 'B' (2.0 mm) of the flywheel.

- After replacing, perform the following checks and adjustments.
 - 1) Upper drum eccentricity (section 2.5.4)
 - 2) Tape transport adjustments (section 2.6.5)
 - 3) Switching point (sections 3.3.7 and 3.3.8)
 - 4) Tracking preset (section 3.3.9)
 - 5) Head resonance (section 3.5.9)
 - 6) FM recording level (section 3.5.10)
 - 7) Color recording and playback level (section 3.5.12)
 - 8) Channel balance (section 3.5.13)

2.5.3 Lower drum assembly replacement

- 1. Remove bottom cover, [O] [3] SERVO board assembly and [O] [4] MDA board assembly. Disengage CN2. Remove the [1] [6] PREAMP board assembly, and disengage the connectors of the drum head, PU head and FG board.
- 2. Take out 3 screws (Fig. 2-7) and pull the drum assembly upwards to remove it.
- Use care not to scratch the new lower drum assembly. Install it by reversing the above steps. Tighten the screws in a well balanced manner.

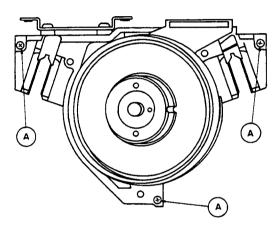


Fig. 2-7

- 4. After replacing, perform the following checks and adjustments.
 - 1) Upper drum eccentricity (section 2.5.4)
 - 2) Tape transport adjustments (section 2.5.6)
 - 3) Switching point (sections 3.3.7 and 3.3.8)
 - 4) Tracking preset (section 3.3.9)
 - 5) Head resonance (section 3.5.9)
 - 6) FM recording level (section 3.5.10)
 - 7) Color recording and playback level (section 3.5.12)
 - 8) Channel balance (section 3.5.13)

2.5.4 Upper drum eccentricity

Notes:

- 1) Even slight deviation of the upper drum from the drum shaft center can cause jitter and other problems.
- This adjustment is essential after replacing the upper drum.
- 1. Remove the cassette housing.
- As shown in Fig. 2-8, install the Micro-checker (PUJ-49712-2) and Micro-checker attachment (PUJ04006).
 Attach to points (A) of the panel.
- Slowly turn the fine adjust knob of the Micro-checker clockwise to where the needle indicates "0". The outer rim can be turned about ±10 scale divisions, but do not turn it beyond this range.

When the Micro-checker contacts the drum assembly, set to where it contacts between the 1st and 2nd groove of the drum.

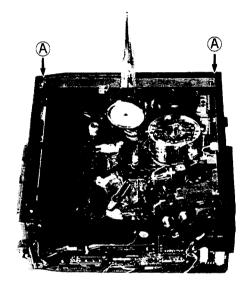
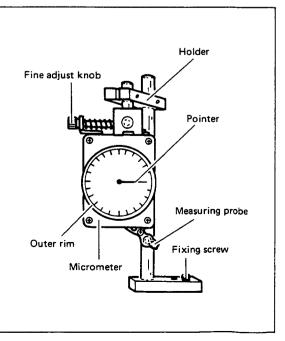


Fig. 2-8 Micro-checker installation

Micro-checker cautions

- 1) The Micro-checker is a high precision instrument. Use care not to drop it or subject it to strong shock.
- 2) Do not apply strong force to the measuring probe.
- The position and directional relationship of the Microchecker and holder have been predetermined. Do not disassemble or change these relationships.
- 4) Although the outer rim of the Micro-checker can be turned in the range of ± 10 scale divisions, do not apply excess force (more than 300 g-cm) to this section.
- By no means allow the Micro-checker to contact the heads.
- 6) Before installing the Micro-checker, turn the fine adjust knob counterclockwise. When installing it, use care not to contact the upper drum.
- 7) When installing, observe that the probe is pointed toward the center of the upper drum.
- 8) Gritty or rough sound during measurement indicates unnatural contact. Check for contamination of the upper drum and measuring probe.



- Slowly turn the upper drum, while using care not to apply sideways pressure. Needle deflection within 2 microns peak-to-peak (±1 micron) is required.
- 5. If deflection exceeds this range, turn the fine adjust knob counterclockwise to separate the probe from the upper drum. Loosen the two screws of the upper drum and very carefully adjust the position. Then retighten the screws.
- 6. Again measure the eccentricity. Repeat the above steps until deflection is within 2 microns p-p.
- 7. After confirming 2 microns p-p, turn the fine adjust knob counterclockwise and remove the Micro-checker.
- 8. Turn the Tracking control and confirm that CH1 and CH2 FM waveforms reach maximum simultaneously.
- If abnormal, remove the upper drum. Clean the lower face of the upper drum and the upper face of the lower drum flywheel. Again install the upper drum and repeat above steps 1—9.

2.5.5 Capstan assembly replacement

Note: The capstan assembly consists of capstan motor, capstan FG board and flywheel. These cannot be replaced independently.

- 1. Disengage the reel belt from the capstan motor and connector CN6 from the servo board.
- 2. Take out the main deck screws (Fig. 2-9), shift the capstan brake and remove the capstan motor.
- 3. Install new capstan motor by reversing the above steps.

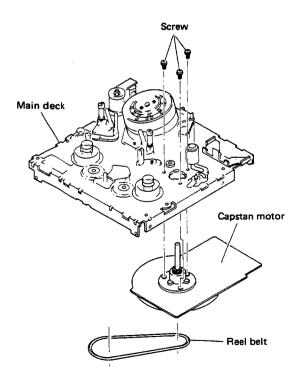


Fig. 2-9

2.5.6 Mode control motor replacement

Note: When replacing only the mode control motor, use care regarding wire polarity.

- 1. Disengage connector CN10 from the mechacon board.
- Take out screws (Fig. 2-10) and remove the motor bracket.
- Install new mode control motor by reversing the above steps.
- * If replacing only the mode control motor, proceed to the following steps.
- After removing the motor bracket, remove wires from the mode control motor.
- Disengage the belt from the mode control motor, take out screws and remove the mode control motor.
- 6. Install new mode control motor by reversing the above steps. Use care regarding wire polarity (see Table 2-2).

Motor polarity	Wire color
+	Red
_	Brown

Table 2-2 Motor wiring

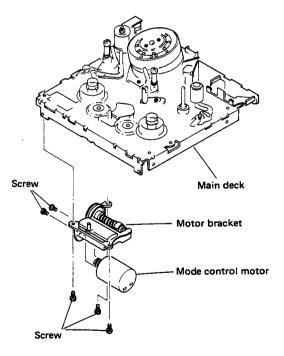


Fig. 2-10 Mode control motor replacement

2.5.7 Full erase (FE) head replacement

- 1. Take off nut (Fig. 2-11) and remove the impedance roller and its peripheral parts.
- 2. Disengage connector CN2 from the FULL ERASE board.
- Remove the spring and remove the FE head in the upward direction.
- 4. Install a new FE head and reassemble the impedance roller and its peripheral parts.
- 5. Perform impedance roller height adjustment (section 2.6.5) and interchangeability checks and adjustments (section 2.6.6).

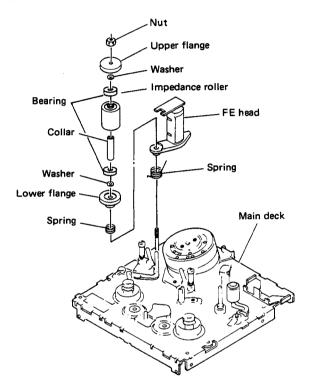


Fig. 2-11 FE head replacement

2.5.8 Audio/Control (A/C) head assembly replacement

Note: Use care not to misplace the coil springs of the A/C head base (these are apt to fly off).

- Take out 2 mounting screws of the head base and remove the head base.
- 2. Unsolder and remove the head board.
- Install a new A/C head at the position indicated in Fig. 2-12.
- 4. Remount the head base in the previous position.
- Perform A/C head parallel adjustment (section 2.6.5) and interchangeability checks and adjustments (section 2.6.6).

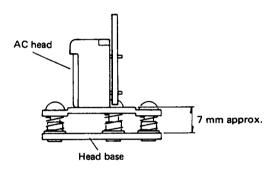


Fig. 2-12 A/C head installation

2.5.9 Pinch roller assembly replacement

- Take out screw (Fig. 2-13) and remove the pinch roller and its peripheral parts.
- Install a new pinch roller; secure collar and PR cap with screw.

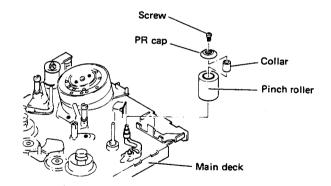


Fig. 2-13 Pinch roller replacement

2.5.10 Reel disk replacement

Note: Do not reuse nylon washers. Procure new parts before disassembly and replacement.

Supply reel disk

- 1. Disengage the tension band from the tension pole and shift it to one side. This releases the FF brake from the supply reel disk.
- Take off the slit washer and with the FF brake free, pull the supply reel disk upward to remove it.
 - Note: Use care regarding washer at bottom of the supply reel disk.
- Clean reel shaft with alcohol and apply a small amount of oil.
- Install a new supply reel disk by reversing the above steps.
- 5. Perform back tension check (section 2.6.4).

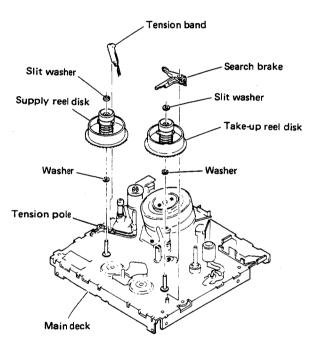


Fig. 2-14 Reel disk replacement

Take-up reel disk

- 1. Disengage the spring from the search brake and remove the search brake.
- Take off the slit washer and with the REW brake free, pull the take-up reel disk upward to remove it.
 - Note: Use care regarding washer at bottom of the takeup reel disk.
- 3. Clean reel shaft with alcohol and apply a small amount of oil.
- Install a new take-up reel disk by reversing the above steps.

2.5.11 Clutch replacement

Take-up clutch

- 1. Remove the take-up reel disk (section 2.5.10).
- 2. Take off the slit washer and pull the take-up clutch upward (note lower washer) to remove it.
- 3. Install a new take-up clutch by reversing the above steps.
- 4. Perform take-up torque check (section 2.6.3).

Supply clutch

- 1. Remove the supply disk (section 2.5.10).
- 2. Take off the slit washer and pull the supply clutch upward (note lower washer) to remove it.
- 3. Install a new supply clutch by reversing the above steps.

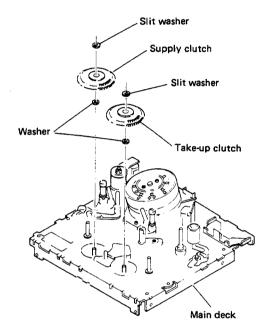


Fig. 2-15 Clutch replacement

2.5.12 Tension band replacement

- 1. Take out screw (Fig. 2-16) and separate the tension band from the tension pole.
- 2. Shift the FF brake and remove the tension band.
- 3. Install the new tension band.
- 4. Perform tension pole position adjustment (section 2.6.2) and back tension check (section 2.6.4).

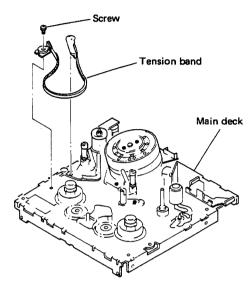


Fig. 2-16 Tension band replacement

2.5.13 Brush and pick-up head replacement

- Take out screw (A) (Fig. 2-17) and replace the brush.
 Note: Align the brush with the lock hole, then loosen the screw.
- 2. Unsolder the pick-up head, take out screw (B) and replace the pick-up head.
 - Note: Set the pick-up head toward the center of the drum shaft when installing.
- 3. Perform drum pulse adjustment (section 3.3.1) and PB/REW switching point adjustment (sections 3.3.7 and 3.3.8).

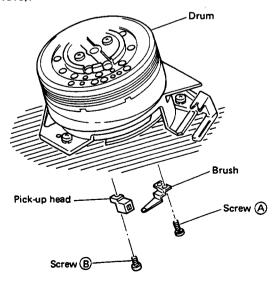


Fig. 2-17 Brush and pick-up head replacement

2.6 CHECKS AND ADJUSTMENTS

2.6.1 Loading mechanism timing

- 2. At the same time, confirm that the holes of the supply and take-up loading rings overlap the hole of the main deck (arrow (B) in Fig. 2-18).
- 3. If deviation is confirmed, remove the control cam. Reinstall the loading gears and connect gear ② so as to obtain the correct positions. To reinstall the control cam, turn loading gear ② counterclockwise to where the holes of loading gears ① and ② overlap, then install.

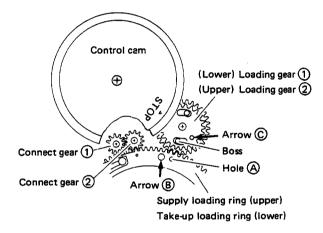


Fig. 2-18 Timing check

2.6.2 Tension pole position (temporary)

- 1. Without tape, set for the Play mode, then power OFF (see Section 2.1).
- 2. Remove the cassette housing (see Section 2.5.1).
- As indicated in Fig. 2-19, adjust the tension band holder securing position so that the end of the tension pole overlaps the left edge of the main deck.

Note: This is a temporary adjustment. If the holder position was moved, be sure to perform the back tension checks and adjustments of Section 2.6.4.

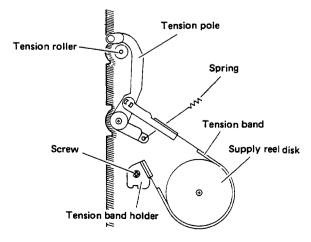


Fig. 2-19 Tension pole position

2.6.3 Take-up torque

- Use the cassette torque meter (PUJ42881) and set to the play mode.
- Confirm take-up torque of 60 to 100 gcm. If outside this range, replace the take-up clutch (see Section 2.5.11). The supply clutch should also be replaced.

2.6.4 Back tension

- 1. Use the cassette torque meter (PUJ42881) and set to the Play mode.
- Confirm supply torque of 24 to 26 gcm. If outside this
 range, check the wear of the tension arm spring and
 tension band. Loosen the screw and adjust the tension
 band holder securing position to where specifications are
 met. However, if the value varies widely, also replace the
 supply reel disk (see Section 2.5.10).

2.6.5 Tape transport system checks and adjustments

Note: The tape transport has been precision-adjusted at the factory and ordinarily does not require readjustment. Perform the following only after confirming problem is in the transport or after replacing parts affected by long term usage.

[1] Tape transport checks

- 1. Use a spare 180-minute tape. Set for the Play mode at the beginning and end portions of the tape.
- In the Play mode, confirm absence of tape drift upwards or downwards at the drum intake and exit.

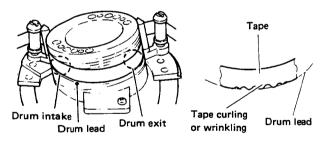


Fig. 2-20 Drum and drum lead

Notes: * With upward drift, the video heads strike the edge of the tape and sound can be heard.

- * In case of downward drift, tape curling or wrinkling may occur, and abnormal sound can be heard.
- * If abnormal, adjust the guide roller height (see following).
- 3. In the Play mode, observe the tape between the impedance roller and take-up guide pole. Confirm absence of curling and wrinkling. If abnormal, adjust the impedance roller height and the A/C head inclination.
- 4. In Search Forward and Search Reverse, inspect all guides and confirm absence of tape damage.
- When switching between Search FWD and Search REV, confirm absence of tape wrinkling between the capstan and tape guide pole.

6. When switching between Search FWD and Play, confirm absence of tape wrinkling between the take-up guide pin and take-up guide pole.

After checking as above, perform interchangeability checks and adjustments (see Section 2.6.6).

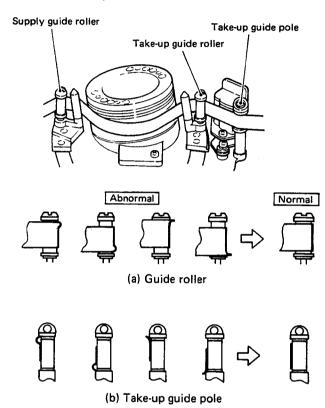


Fig. 2-21

[2] Guide roller height adjustment

- 1. Loosen the guide roller setscrew (Fig. 2-22) just enough to allow turning the guide roller.
- 2. Use spare tape and set for the Play mode.
- Turn the guide roller by small amounts and adjust to where the tape traverses the drum lead without drifting from it.
- 4. After adjusting, be sure to tighten the setscrew.

Turn by an ordinary (-) screwdriver.

Guide roller

Setscrew

Fig. 2-22 Guide roller height adjustment

[3] Impedance roller height adjustment

- 1. Use spare tape and set for the Play mode.
- 2. Turn the upper nut of the impedance roller and adjust to where the lower edge of the tape travels at the bottom edge of the impedance roller.

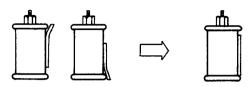


Fig. 2-23 Impedance roller height adjustment

[4] Audio/control head parallel

- As illustrated in Fig. 2-24, set the parallel check plate (PUJ50204) gently against the A/C head take-up guide pole. Confirm that inclination A is less than 0.1 mm.
- 2. Set the flat portion of the check plate gently against the A/C head. Confirm absence of space at top, as shown by B.

Important: Do not adjust the height or inclination of the take-up guide pole itself.

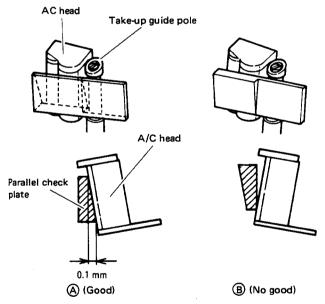


Fig. 2-24 A/C head parallel

[5] Take-up guide pin adjustment

- Use a spare 180-minute tape which contains a recorded signal and alternate between REC Play and Pause. Confirm smooth tape transport and absence of curling or wrinkling at the take-up guide pin.
- 2. Also confirm in the Play mode.
- If abnormality is confirmed, turn the take-up guide setscrew (2 mm) to adjust. See Fig. 2-25.

Notes:

- Perform this after adjusting the audio/control head parallel (above 4).
- The effect of turning the setscrew does not appear for about 2 or 3 seconds.
- 3) Set to Stop, and again to Search Reverse, then repeat the adjustment.

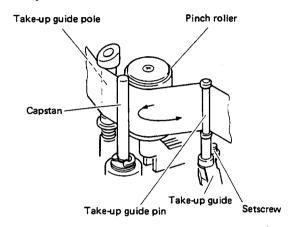


Fig. 2-25 Tape path adjustment

.. 2.6.6 Interchangeability checks and adjustments

Note: Before using Alignment tape, use a spare tape and confirm normal transport operation.

[1] FM waveform checks and adjustments

- Connect an oscilloscope to Pre-Rec board TP4 (FM OUT). Trigger the oscilloscope externally with the signal from Servo board TP4 (D FF). (TP9 can be connected from the battery terminal box without removing the bottom cover.)
- 2. Play the stairstep signal of the MHPE Alignment tape.

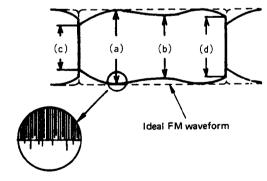


Fig. 2-26 FM waveform (maximum output)

Note: If the waveform is serrated, read the output level where the serrations are most closely aligned.

- Turn the Tracking control and set for maximum FM output waveform.
- Adjust the oscilloscope to set the maximum waveform to 4 scale divisions.
- 5. Confirm that depressions at the drum intake (c) and drum exit (d) exceed 3.4 scale divisions (Fig. 2-26).
- 6. Confirm that variations at (b), (c) and (d) are greater than 3.6 scale divisions.

 Turn the Tracking control to both extremes and confirm that variation of the FM waveform is nearly linear (Fig. 2-27).

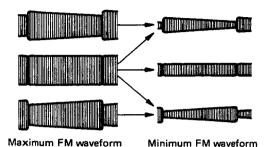


Fig. 2-27 Normal waveform variation



Fig. 2-28 Abnormal waveform variation

- If variation is distorted, as illustrated in Fig. 2-28, perform audio/control head adjustment. If this is inadequate, proceed to the following steps.
- Loosen the setscrews of the supply and take-up guide rollers to permit turning.
- 10. Turn the tracking control to maximum FM waveform output. If the portion at the drum intake appears as shown by (A) in Fig. 2-29, adjust the supply guide roller to obtain a flat waveform as shown by (B).

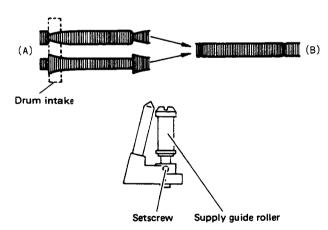


Fig. 2-29 Drum intake waveform adjustment

11. If the portion at the drum exit appears as shown by (C) in Fig. 2·30, adjust the take-up guide roller to obtain a flat waveform as shown by (D).

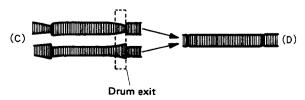


Fig. 2-30 Drum exit waveform adjustment

- 12. Again confirm absence of tape curling or wrinkling at the impedance roller and take-up guide pole. If abnormality is confirmed at the impedance roller, fineadjust the impedance roller height.
 - If abnormality is confirmed at the take-up guide pole, adjust the audio/control head inclination (see section 2.6.5).
- 13. Turn the tracking control for minimum FM waveform output. If the waveform appears as shown by the examples (A), (B), (C) or (D) of Fig. 2-31, fine-adjust the supply and take-up guide rollers to obtain a waveform as shown by examples (E), (F) and (G).

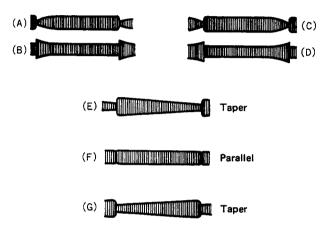


Fig. 2-31 FM waveform at minimum output

Note: If waveform varies, adjust at the point of minimum variation.

[2] Audio head height and azimuth adjustment

If the audio/control head position is incorrect, S/N is impaired during tape playback.

- 1. Connect AUDIO-1 and AUDIO-2 output signals to CH1 and CH2 of a dual-trace oscilloscope.
- Play the 6 kHz (stairstep) signal of the MHPE Alignment tape.
- While observing the output signals, turn screw © (Fig. 2-33) for maximum waveforms and absence of phase difference (Fig. 2-32).

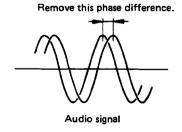
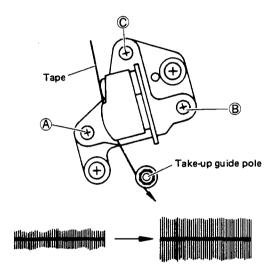


Fig. 2-32 Audio signal phase adjustment

- 4. Turn screws (A), (B) and (C) by small and equal increments at a time and adjust for maximum audio output. With screw (A) as reference, screw (B) adjusts inclination and screw (C) adjusts azimuth.
- Gently press the tape upwards and downwards at the A/C head area. Confirm that the level does not increase.Notes:
 - 1) In order to avoid damaging the Alignment tape, do not turn screw (A) more than 1/4-turn at a time.
 - 2) After adjusting screw (B), be sure to adjust audio azimuth with screw (C).
- Repeat above steps 3 to 5. Adjust for maximum audio output with minimum variations.



Audio signal waveform

Fig. 2-33 Audio/control head adjustment

[3] Setscrew tightening

 After confirming normal tape transport, set to the Stop mode and tighten the setscrews.

Note: Use care not to disturb the guide roller adjust-

Again use the MHPE Alignment tape and perform FM waveform checks.

[4] Servo circuit adjustments

- 1. Adjust the PB/REC switching point (sections 3.3.7 and 3.3.8).
- 2. Perform tracking preset adjustment (section 3.3.9).

[5] Control head phase

- Connect the oscilloscope to Pre-Rec board TP4 (FM OUT). Trigger the oscilloscope externally with the signal from Servo board TP9 (D FF). (TP9 can be connected from the battery terminal box without removing the bottom cover.)
- Play the stairstep signal of the MHPE Alignment tape.Set the oscilloscope trigger to (—) slope and observe the CH1 waveform.
- Confirm that maximum FM output is obtained at the center detent (AUTO) position of the Tracking control.
 If the maximum is not at center, set the control to the center and perform the following steps.
- 4. Loosen screws
 and
 (Fig. 2-34) to the degree that allows sliding the A/C head. Slide the A/C head fully toward the capstan direction.
- 5. Set the A/C head positioning tool (PUJ47351-2) onto screw (E) with the pin of the tool inserted into the hole.
- Slowly turn the tool to shift the A/C head assembly in the direction shown by the arrow. Set to the point for maximum FM waveform.

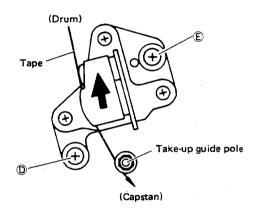


Fig. 2-34 Control head phase adjustment

- While using care not to disturb the A/C head setting, tighten screws
 and
 and
 .
- 8. Turn the Tracking control and confirm maximum FM waveform at the center detent position.

Note: Tighten screws and so as not to vary the FM waveform.

[6] Video and FM audio tracking phase check

- Connect CH1 of a dual-trace oscilloscope to TP2 (FMA OUT) of the FM Audio Amp board and CH2 to TP4 (FM OUT) of the Video Preamp board.
- 2. Play portion (2) (Stairsteps, FM Audio Carrier only) of the MH-F8 Alignment tape.
- 3. Turn the Tracking control for maximum audio FM envelope. Set the waveform to 4 scale divisions.
- 4. Then turn the Tracking control for maximum video FM envelope. At this time, confirm that the audio FM envelope is more than 3.6 scale divisions (compare at maximum level point).
- 5. If above waveform control cannot be obtained, the upper drum unit may require replacement.

[7] REC/PBFM level checks

- For FM video, use a test pattern signal input. For FM audio do not apply a signal (but supply a test pattern video input).
- Adjust the Tracking control for maximum waveform at all check points. Set the maximum waveform to 4 scale divisions.
- 3. If the FM level varies or if there is FM loss, check according to Table 2-3.

Check Item	Check Point	Set mode & Tape used	FM level (within)	FM Loss (within)
FM VIDEO	V. PRE AMP TP-4	VHS	3.6 scale div.	3.6 scale div.
FM VIDEO	V. PRE AMP TP-4	S-VHS	3.6 scale div.	3.4 scale div.
FM AUDIO	FMA PRE AMP TP-2	S-VHS	3.4 scale div.	3.2 scale div.

Table 2-3

4. If above waveforms cannot be obtained, the upper drum unit may require replacement.

Note: Use tape that has not been damaged for checking.

[8] Final checks

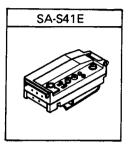
- In the Play mode, inspect each of the shafts, rollers and head section of the transport and confirm absence of tape curling, wrinkling or drifting.
- 2. Record and play back a stairstep signal. Confirm that playback compares closely with the Alignment tape.
- 3. Observe FM waveform difference between when the set is lying flat and when it is standing vertically. With the maximum at 4 scale divisions, confirm more than 3.8 scale divisions at the other position. Also confirm above items 1 and 2 at these configurations.
- 4. Perform drum and capstan circuit checks and adjustments (section 3.3).
- Perform audio circuit checks and adjustments (section 3.4).
- 6. Perform video circuit checks and adjustments (section 3.5).

SECTION 3 ELECTRICAL ADJUSTMENTS

3.1 PRELIMINARY CHECKS AND CAUTIONS

 Since the BR-S411E is equipped with no VIDEO IN terminal nor AUDIO LINE IN terminal, it is required to connect an adapter (SA-S41E) for adjustment of this model,

Note: When the SA-S41E is used, make sure to confirm the following matters.



	50-pin connector	Level (1k-ohm termination)
Y OUT LEVEL	Pin 1	1 Vp-p
COUTLEVEL	Pin 2	0.3 Vp-p (Burst level)

- Adjustments are required after replacing the video heads, major mechanical parts and parts of the electrical circuits.
 In all cases, first confirm that adjustment of a specific part is actually needed before disturbing its setting.
- If mechanism adjustments have been performed, again check that these are correct and precise before proceeding to electrical adjustments.
- 4. All adjustments are performed in the circuit boards.
- 5. Avoid unnecessary interrupting power while tape is running. This may damage the tape.
- 6. If warning message is displayed, remove tape, shut off power, and correct the cause before proceeding further.

3.2 REQUIRED TEST INSTRUMENTS AND FIXTURES

- The following test instruments and fixtures (see Fig. 3-1) are required for electrical adjustments. Attempts to adjust without them would entail inordinate time and would not yield the required precision and performance.
- 2. In addition to the special fixtures, check that the following test equipment is available.
 - Frequency counter (better than 10 MHz, 100 mV sensitivity, high impedance input)
 - Video signal generator (Model 1411, TG7/2 or equivalent)
 - Video noise meter

- Waveform monitor
- Digital voltmeter (capable of reading down to 1 mV DC)
- Sweep signal generator (100 kHz to 10 MHz)
- Oscilloscope (dual-trace, better than 500 MHz)
- Monitor-TV
- Vectorscope
- Audio tester
- 3. Recommended additional fixtures
- 1) Shorting lead

This can be constructed easily as shown in the figure. It is used for shorting test pins.

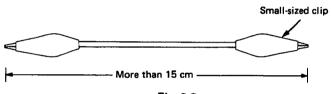
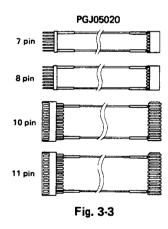


Fig. 3-2

2) Pach cord (PGJ05020)

To be used between the COLOR PWB and the COLOR SUB PWB or the PB COM PWB, and used between the AUDIO PWB and the FMA PWB for measuring voltage and relating repair. (Refer to Fig. 3-3.)



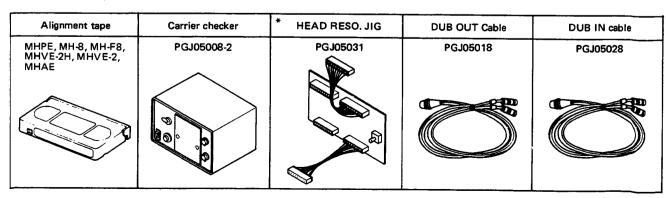


Fig. 3-1 Required special test equipment

* New fixture

3.2.1 Alignment tape specifications

• MH-8

No.	PB time	Video signal	Audio signal	Description .
1	2 min.	Colour sweep	400 Hz (-10 dB)	for check and adjustment of frequency characteristic in video PB
2	2 min.	"	100 Hz (-10 dB)	circuits
3	2 min.	**	8 kHz (-10 dB)	for check and adjustment of frequency characteristic in audio PB circuits
4	4 min.	"		5,704,13

MH-F8

No.	PB time	Video signal	Audio signal	Description
1	5 min.	_	Carrier only	for check and adjustment of mechanism interchangeability
2	5 min.	Stairstep	Carrier only	
3	5 min.	-	1 kHz (±50 kHz dev.)	for check and adjustment of FM audio PB circuits

MHPE

Video signal	Audio signal	Description			
VHS SP mode Stairstep	6 kHz	for check and adjustment of interchangeability for check and adjustment of the servo circuit for adjustment of audio head azimuth	Usable in place of MH-2 stairstep		

• MHVE-2

Video signal	Audio signal	Description	
VHS SP mode Colour bars		for check and adjustment of video signal PB circuits	Usable in place of MH-2 colour bars

MHAE

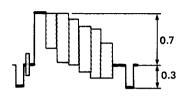
Video signal	Audio signal	Description	
_	1 kHz (0 dB)	for check and adjustment of audio signal PB circuits	Usable in place of MH-2 1 kHz signal

• MHVE-2H

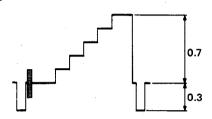
ace of MH-2H SP mode
ŀ

3.2.2 Required video system test signals

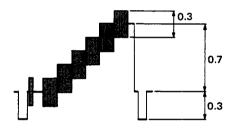
1. EBU 75% colour bars



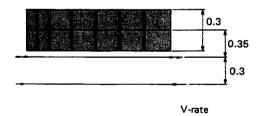
2. 5 steps



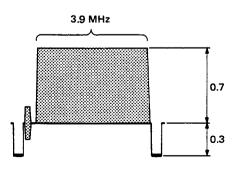
3. Modulated 5 steps



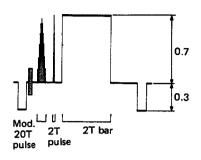
4. Video sweep (100 kHz - 5 MHz)



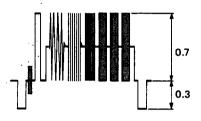
5. 3.9 MHz sine wave



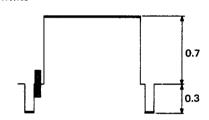
6. Pulse & Bar



7. Multiburst (100%)



8. 100% white



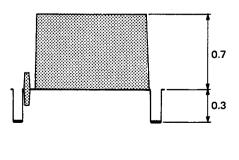
This can be used in place of a test pattern signal.

9. Sweep



10. 100% Chroma

Another pure color may also be used. A large colour level allows easier adjustment.



[UNIT: Vp-p]

3.3 DRUM AND CAPSTAN SERVO (SERVO CIRCUIT)

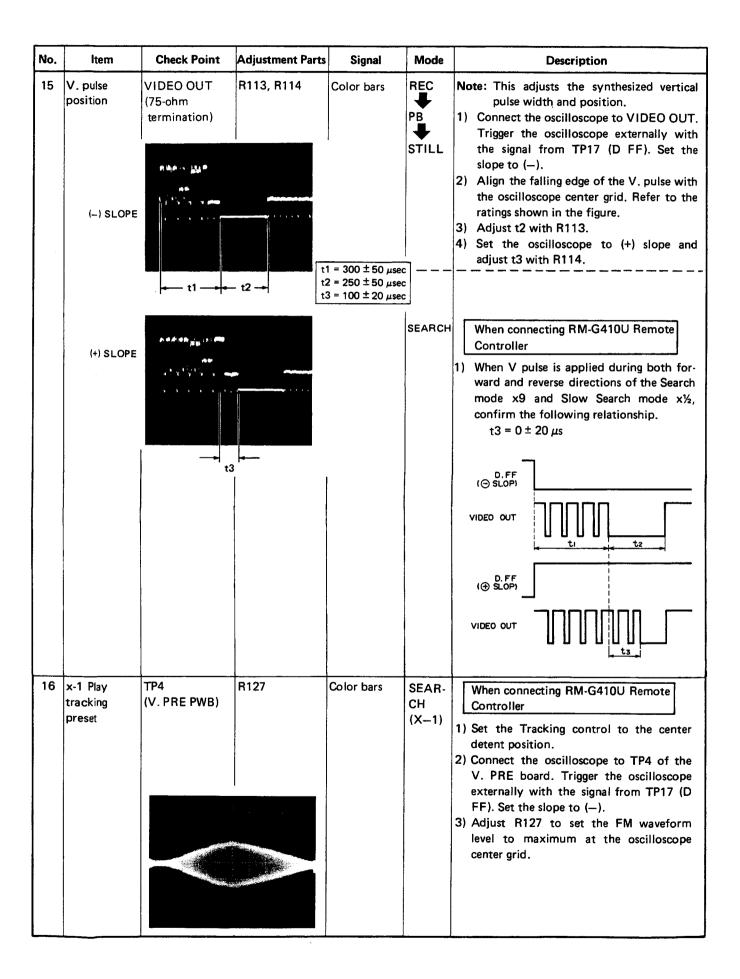
Note: Unless otherwise mentioned, check points and adjustment parts locations are on the Servo board.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
1	Drum pulse level	TP7	a	a ≥ 0.7 Vp-p b ≥ 0.7 Vp-p	REC	 Connect an oscilloscope to TP7. Trigger the oscilloscope externally with the signal from TP17 (D FF). As indicated in the figure, confirm that a and b are greater than 0.7 Vp-p. Note: Drum servo is synchronized.
2	CTL pulse check	TP1	a ≥ 0.35 Vp-p t1 > t2	MHPE (Stairstep) Monoscope or Color bars	PB REC → PB	 Connect the oscilloscope to TP1. Trigger the oscilloscope externally with the signal from TP17 (D FF). Reger to the figure and confirm that positive pulse a is greater than 0.35 Vp-p. Confirm that negative and positive going pulses conform to t1 > t2, as indicated in the figure. Use spare tape to record and play back a TV test pattern. As in above step 2, confirm that pulse a is greater than 0.35 Vp-p.
3	Drum trapezoid TP24	TP24		Color bars	REC	 Connect the oscilloscope to TP24. Trigger the oscilloscope externally with the signal from TP17 (D FF). Confirm waveform proportions indicated in the figure. a = 5.0 ± 0.4 Vp-p t2 = 3.2 ± 0.5 ms t3 = 40.0 ms Adjust the oscilloscope to set t2 to 2 scale divisions. Confirm that t1 is between 1.6 and 2.4 scale divisions.
4	Drum dis- cirminator center	TP24	Sampling pulse	Color bars	REC	 Short TP25 and TP GND. Connect the oscilloscope to TP24. Trigger the oscilloscope externally with the signal from TP17 (D FF). As indicated in the figure, confirm that sampling pulse drift with respect to the trapezoid period is greater than 5 seconds. If necessary, adjust R27 to obtain greater then 5 seconds. After adjusting, remove the short between TP25 and TP GND.

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Description
5	Capstan trapezoid	t3 t2 t4	Sampling pu	Color bars	REC	 Connect the oscilloscope to TP20. Trigger the oscilloscope externally with the signal from TP17 (D FF). As indicated in the figure, confirm the following relationships. a = 5.0 ± 0.4 Vp-p t3 = 4.0 ± 0.5 ms t4 = 40.0 ms Adjust the oscilloscope to set t2 to 3 scale divisions. Confirm that t1 is between 2.4 and 3.6 scale divisions.
6	Capstan discriminator center	Sampling pu	R49	Color bars	REC	 Connect a shorting wire between TP21 and TP GND. Connect the oscilloscope to TP20. Trigger the oscilloscope externally with the signal from TP17 (D FF). As indicated in the figure, confirm that sampling pulse drift with respect to the trapezoid period is slower than 5 seconds. If necessary, adjust R49 to obtain greater than 5 seconds. Remove the shorting wire from TP21 and TP GND.
7	H discriminator	VIDEO OUT (75-ohm termination) Monitor TV	R45	MHVE-2 (Color bars)	SEARCH	When connecting RM-G410U Remote Controller 1) Connect VIDEO OUT to monitor-TV (terminate at 75Ω). 2) Set for Serch mode x -1. 3) Observe monitor picture and adjust R45 for minimum color error.
	point	VIDEO OUT (-) SLOPE 7.5 H	и /М/	MHPE (Stairstep) +) SLOPE ////////////////////////////////////		 Connect the oscilloscope to VIDEO OUT. Trigger the oscilloscope externally with the signal from TP17 (D FF). Set the slope to (-). Adjust R105 to set the trigger point 7.5 ± 0.5 H from V. sync. Set the oscilloscope slope to (+) and adjust R103 to set the trigger point 7.5 ± 0.5 H from V. sync.

	REC switch- ing point	TP15	544			,
		(- SL	DPE)	Color bars	REC	 Connect the oscilloscope to TP15. Trigger the oscilloscope externally with the signal from TP17 (D FF). Set the slope to (-). Adjust R147 to set the trigger point 6.5 ± 0.5 H from V. sync.
1 1	CTL amp noise level	TP1	a ≦ 70 mVp-p	Color bars	REC PB STILL	 Connect the oscilloscope to TP1. Trigger the oscilloscope externally with the signal from TP17 (D FF). As shown in the figure, confirm noise level of less than 70 mVp-p. Note: Ground oscilloscope to TP GND.
11		TP12 Frequency counter	_	Color bars	REC	1) Connect a frequency counter to TP12 and confirm 504 ± 1.5 Hz.
12 \$	·	TP1 VIDEO OUT (75-ohm termination) Monitor TV		MHVE-2 (Color bars)		 Trigger oscilloscope externally with the signal from TP17 (D FF). Connect VIDEO OUT to monitor-TV (terminate at 75 Ω). Connect oscilloscope to TP1 and confirm width of time t₁ (see figure). In the Search FWD mode X9, confirm the following relationship. t₁ = 4.3 ± 0.2 ms In the Search REV mode X-9, confirm the following relationship. t₁ = 4.7 ± 0.2 ms Also confirm that noise bar does not drift in the Search mode.

No.	İtem	Check Point	Adjustment Parts	Signal	Mode	Description
13	Slow mode tape speed	t -	-	Color bars	PB	When connecting RM-G410U Remote Controller 1) Connct the oscilloscope to TP12. 2) Set for the Slow Search mode X1/2 and confirm the following relationship. t = 3.65 to 3.95 ms 3) In the Slow Search mode X−1/2, confirm the following relationship. t = 3.65 to 3.95 ms 4) Connect the oscilloscope to TP1 and confirm the following for both X1/2 and X−1/2. a ≥ 0.2 V
	TP1	a	a			
14	Tracking preset REC MODE		(C)	Color bars	REC PB	 Connect the oscilloscope to TP1. Trigger the oscilloscope externally with the signal from TP17 (D FF). Set the Tracking control to the center detent position. Use a spare tape and record a color bars Refer to the figure and adjust R138 so that recording CTL pulse (A) is aligned with playback waveform (B). Again check the PB switching point adjustment (above item 8) and if necessary, repeat the adjustments of items 8, 9 and 14. Note: Since recording and playback wave-
		Observed by s	storage osilloscope			forms cannot be seen simultaneously, set the waveform rising edge (C) to the center grid for easier interprinting.



3.4 AUDIO CIRCUIT

Notes:

1) Unless otherwise mentioned, all check points and adjustment parts are located on the AUDIO board.

2) Unless otherwise mentioned, set switches as indicated below.

Switches of the Mainframe

Switches of the Adapter

- Rear Cover -

- Top Cover -

Hi-Fi REC SW

: ON

INPUT SELECT SW : LINE

INPUT SELECT SW : LINE

AUDIO LIMITER SW : OFF

INPUT LEVEL SW : -20 AUDIO OUTPUT SW: -6

DOLBY NR SW : OFF

AUDIO OUT SW : NORM

AUDIO MONITOR SW: MIX

METER SELECT SW : AUD-2 (R) **REC MODE SW**

: VHS

3) Where a step calls for change from initial setting, return to the initial setting after completing the adjustment.

4) Use 180-minute tape, unless otherwise mentioned.

5) 0 dBs = 0.775 Vrms = 2.19 Vp-p.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
1	Audio level (Margin & VR setting)	AUDIO OUT Audio Level Meter	RECLEVELVR	1 kHz/-6 dBs (AUDIO IN)	E-E	 From initial setting, set the AUDIO OUT switch to Hi-Fi. Turn the Hi-Fi REC LEVEL control fully clockwise. Confirm AUDIO OUT levels of +8.0 ± 1.5 dBs for both channels. After checking, set the Hi-Fi REC LEVEL control for -6.0 dBs at AUDIO OUT. Return to initial settings. AUDIO OUT switch: NORM. Turn the NORMAL REC LEVEL controls fully clockwise. Confirm +8.0 ± 1.5 dBs for both channels. After checking, set the NORMAL REC LEVEL controls LEVEL controls for -6 dBs. Note: Leave NORMAL REC LEVEL controls at this setting for the following steps.
2	Audio level meter	AUDIO OUT Audio Level Meter	R198 (L ch) R200 (R ch)	1 kHz/–6 dBs (AUDIO IN)	E-E	1) Confirm —6 dBs at AUDIO OUT. 2) Look directly at the AUDIO LEVEL meters. Adjust R198 and R200 for 0 VU.
3	N. audio PB frequency response	AUDIO OUT Audio Level Meter 400 Hz 0 dB (reference	R46 (L ch) R87 (R ch)	MH-8 400 Hz 100 Hz 8 kHz 8 kHz	РВ	 Play 400 Hz signal of MH-8 alignment tape. Measure this level at AUDIO OUT as reference (0 dB). Play 100 Hz signal of MH-8 alignment tape and confirm output level of 0 ± 2.0 dB. Play 8 kHz signal of the MH-8 alignment tape. Adjust R46 and R87 for 0 dB output level.
4	N. audio PB level	AUDIO OUT Audio Level Meter	R48 (L ch) R89 (R ch)	MHAE (1 kHz)	PB	Play 1 kHz signal of MHAE alignment tape and adjust R48 and R89 for —8 dBs output elvel.
5	Full erase voltage Bias frequency	TP17	-	No signal input	REC	 Connect the oscilloscope to TP17. Confirm erase voltage of DC 12 ± 1 V. Connect the oscilloscope or frequency counter to TP15. Confirm frequency of 68 ± 5 kHz (13.7 to 15.9 µs).

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Description
6	Bias level	TP5 (L ch) TP6 (L ch) TP7 (R ch) TP8 (R ch) Audio Level Meter	R104 (L ch)	No signal input	REC	 Use S-VHS tape (180 minutes). Use initial setting. REC MODE switch: S-VHS Connect (+) side of an audio tester to TP5 (TP7) and (—) side to TP6 (TP8). Adjust R104 and R105 for 4.5 Vrms bias level for both L and R channels.
		TP5 (L ch) TP6 (L ch) TP7 (R ch) TP8 (R ch) Audio Level Meter	R323 (L ch) R324 (R ch)	No signal input	REC	 5) Use VHS tape and set REC MODE switch to VHS. 6) Connect (+) side of an audio tester to TP5 (TP7) and (-) side to TP6 (TP8). 7) Adjust R323 and R324 for 3.2 Vrms bias level for both L and R channels.
7	N. audio REC/PB level	AUDIO OUT Audio Level Meter TP9 (L ch) TP10 (R ch)	- R51 (L ch) R92 (R ch)	1 kHz/—6 dBs (AUDIO IN) 1 kHz/—6 dBs (AUDIO IN)	PB	• VHS mode 1) Record and play back a 1 kHz/-6 dBs signal. 2) Confirm playback levels of -6.0 ± 0.5 dBs for both L and R channels (channel difference within 0.5 dB). If necessary, Adjust R51 and R92. 3) If level difference occurs, measure TP9 (TP10) and correct for the level difference. Example: If one of the measured values is 2 dB too low, increase the level by 2 dB. 4) Again, check according to above steps 1) and 2).
		AUDIO OUT Audio level meter	_	1 kHz/—6 dBs (AUDIO IN)	REC PB	S-VHS mode Use S-VHS (180-minute) tape. Record and play back a 1 kHz/6 dBs signal. During playback, confirm -6 ± 2.0 dBs for both L and R channels.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
8	N. audio REC/PB frequency response	AUDIO OUT Audio Level Meter	(R104) R105)	40 Hz/ -26 dBs 100 Hz/ -26 dBs 1 kHz/ -26 dBs 12 kHz/ -26 dBs (AUDIO IN)	REC PB	 Use S-VHS (180-minute) tape. Set the REC MODE switch to S-VHS. In succession, record 40 Hz, 100 Hz, 1 kHz and 12 kHz signals. With the 1 kHz playback level taken as 0 dB, confirm that the other signals conform to the Table. Also confirm that the 12 kHz channel level difference is within 3 dB. If out of specification, perform one of the
	REC mode S-VHS		100 Hz 1 0 ± 2.5 dB 0 dB (re		kHz g dB	following adjustments. a) If the 12 kHz playback level is higher than specified, raise the bias level (see item 6). (Max. 5.0 mVrms) b) If the 12 kHz playback level is lower than specified, reduce the bias level (see item 6). (Min. 3.0 mVrms) 6) Repeat the above steps until specifications are fulfilled.
		AUDIO OUT Audio Level Meter	(R323) R324)	40 Hz/ -26 dBs 100 Hz/ -26 dBs 1 kHz/ -26 dBs 12 kHz/ -26 dBs (AUDIO IN)	REC PB	 7) Use VHS (180-minute) tape. 8) Set DOLBY NR switch to ON and REC MODE switch to VHS. 9) In succession, record 40 Hz, 100 Hz, 1 kHz and 12 kHz signals. 10) With the 1 kHz playback level taken as 0 dB, confirm that the other signals conform to the Table. Also confirm that the 12 kHz channel level difference is within
	REC mode VHS		100 Hz 1 ± 2.5 dB 0 dB (re	1	kHz B dB	 3 dB. 11) If out of specification, perform one of the following adjustments. a) If the 12 kHz playback level is higher than specified, raise the bias level (see item 6). (Max. 4.2 mVrms) b) If the 12 kHz playback level is lower than specified, reduce the bias level (see item 6). (Min. 2.2 mVrms) 12) Repeat the above steps until specifications are fulfilled.
9	Alarm level	EARPHONE jack or TP26	R190	No signal input	FF TAPE END	 Connect the oscilloscope to the EAR-PHONE jack and run the tape in FF to the end of tape. As indicated in the figure, adjust R190 for an output waveform of 200 mVp-p.
	EA	RPHONE jack OUT		200 mVp-p		

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
10	Crosstalk cancel	AUDIO CH-1 OUT Audio Level Meter	R40	3 kHz/—6 dBs (AUDIO CH-2 IN)	AUDIO DUB	 Leave AUDIO CH-1 line input open. Connect a 3 kHz/-6 dBs signal to AUDIO CH-2 line input. Use a tape without a prior audio signal and perform audio dubbing. Adjust R40 for minimum CH-1 output.
11		TP31 (AUDIO) TP17 (SERVO) TP17 TP31 Jifference berising edges 13.3 r	R241 R243	Time difference tween falling ed		 Connect CH-1 of a dual-trace oscilloscope. to TP17 (SERVO) and CH-2 to TP31 (AUDIO). Trigger the oscilloscope with the signal from TP17 (D. FF). Adjust R241 to set the time difference between the rising edges of the waveforms to 13.3 ms, as indicated in the figure. Adjust R243 to set the time difference be- tween the falling edges of the waveforms to 13.3 ms, as indicated in the figure.
12	FM audio PB level	AUDIO OUT Audio Level Meter	R160 (L ch) R154 (R ch)	MH-F8 1 kHz	PB	1) At mitial setting, set the AUDIO OUT switch to Hi-Fi. 2) Adjust R160 and R154 for —6 dBs Hi-Fi OUT levels on L and R channels.
13	FM audio REC FM level	TP21	R161 R163	No signal		 At initial setting, set the Hi-Fi REC switch to ON. Connect the oscilloscope to TP21. Turn R161 fully counterclockwise, as viewed from the parts side of the board. Temporarily adjust R163 to set level B (see figure) to the area of 1.9 Vp-p. Adjust R161 to set level A to 0.6 V. Fine-adjust R161 and R163 to where levels A and B conform to the specifications indicated in the table. Use S-VHS (180-minute) tape. At initial setting, set the Hi-Fi REC switch
	REC mode VHS S-VHS	Check point A	(specified) B (sp 0.6 Vp-p 2.8	pecified) 5 Vp-p 0.2 Vp-p		to QN and the REC MODE switch to S-VHS. 9) Confirm that levels A and B conform to the specifications indicated in the table.

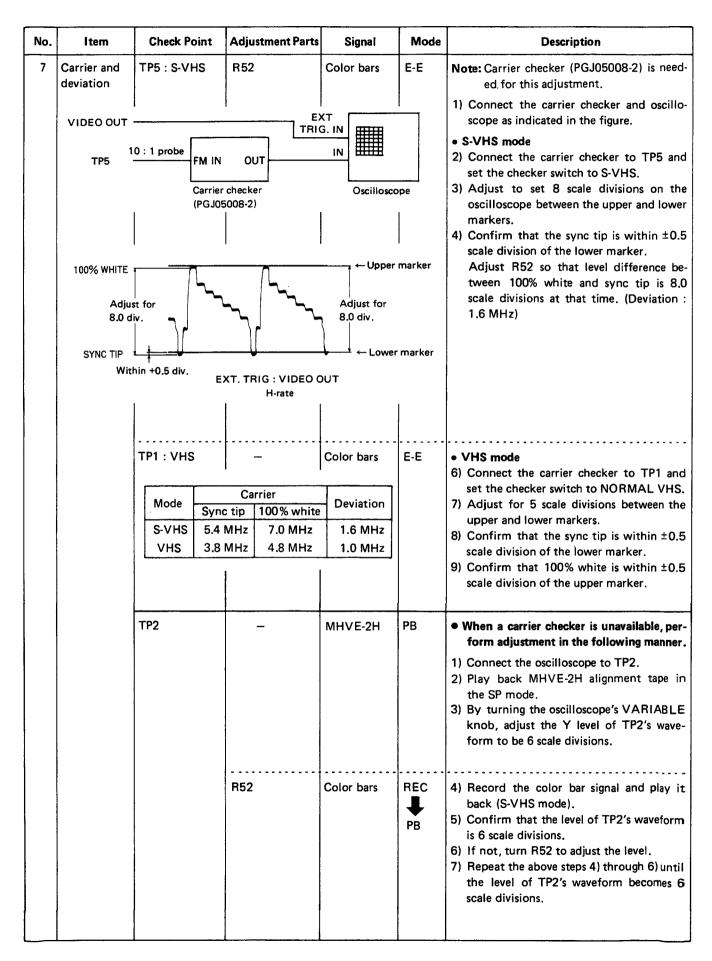
No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
14	FM audio REC/PB level	AUDIO OUT (600-ohm termination) Audio level meter	R159 (L ch) R153 (R ch)	1 kHz/6 dBs	REC ↓ PB	 At the initial setting, set the Hi-Fi REC switch to ON and the AUDIO OUT switch to Hi-Fi. Record and play back a 1 kHz/-6 dBs signal. Confirm Hi-Fi OUT levels of -6 ± 0.5 dBs for both L and R channels (channel difference within 0.5 dB). If out of specification, perform checks of item 12. Adjust L channel with R159 and R channel with R153. Again record and play back. Repeat this adjustment until specification is met. Use S-VHS tape. At the initial setting, set the Hi-Fi REC switch to ON and the AUDIO OUT switch to Hi-Fi. Set the REC MODE switch to S-VHS. Record and play back a 1 kHz/-6 dBs signal. Confirm Hi-Fi OUT levels of -6 ± 1.0 dBs for both L and R channels (channel difference within 1.0 dBs).
15	Audio output BALANCE	AUDIO OUT (XLR PWB) Audio Level Meter	R76 (L ch) R88 (R ch) (XLR PWB)	1kHz/-2dBs AUDIO INPUT (XLR)	E-E	1) From initial setting, set the AUDIO IN-PUT SELECT switch to CAM. 2) Adjust R76 and R88 so that AUDIO OUT level become minimum. Check point 300 Ω (± 0.1%) x 2

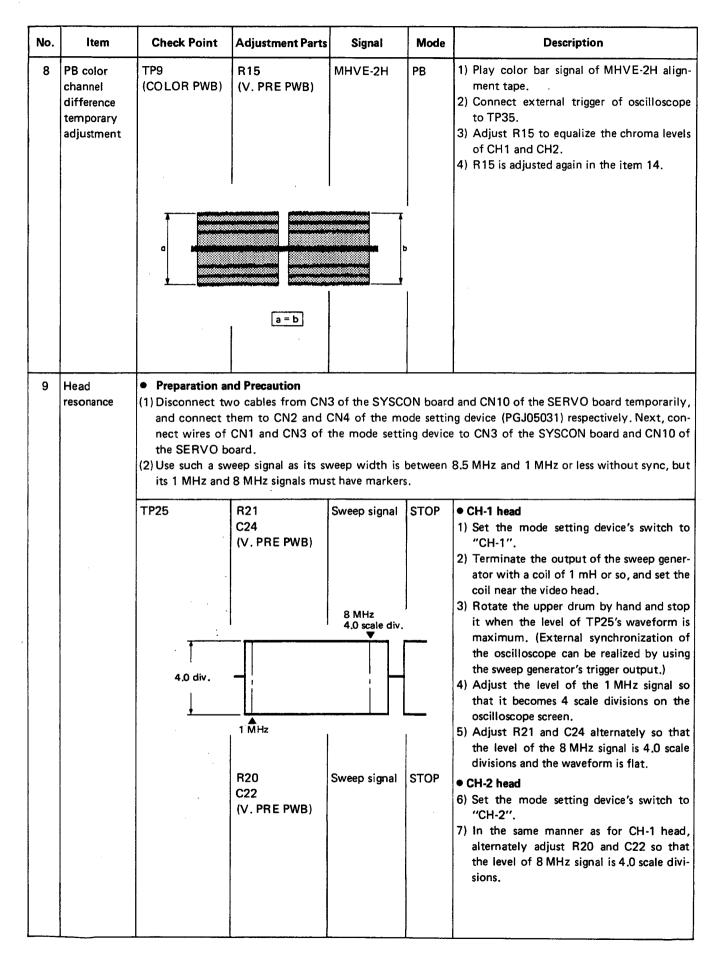
3.5 VIDEO CIRCUIT

Notes: 1) Before adjusting, set power ON and allow at least 5 minutes warm-up.

- 2) Unless otherwise mentioned, check points and adjustments are on the VIDEO board.
- 3) When S-VHS is specified, use 180-minute S-VHS tape and set the rear panel REC MODE switch to S-VHS.
- 4) When VHS is specified, use 180-minute VHS tape and set thr rear panel REC MODE switch to VHS.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
1	E-E video out level	i 1	R167 R129 1.00 ± 0.05 Vp-p 0.300 ± 0.05 Vp-p	Color bars	E-E	 Connect the oscilloscope to VIDEO OUT. Adjust R167 to set the Y level to 1.0 Vp-p. Set the oscilloscope to DC mode and adjust R129 to set the burst level to 0.300 Vp-p.
2	E-E Y output level	Y OUT (75-ohm termination)	 .00 ± 0.5 Vp-p	Color bars	E-E	1) Connect the oscilloscope to Y OUT. 2) Confirm output level of 1.0 ± 0.5 Vp-p.
3	E-E return Y level	TP23 Y level : 1.00	## 0.05 Vp-p	Color bars	E-E	1) Connect the oscilloscope to TP23. 2) Adjust R213 for 1.0 Vp-p output level.
4	RF video level	.0±0.2Vp-p		Color bars	E-E	1) Connect the oscilloscope to TP30. 2) Confirm level of 2.0 ± 0.2 Vp-p.
5	REC process input level	0.4Vp-p	R35	Color bars	E-E	1) Adjust R35 for 0.4 Vp-p input level at TP7.
6	Limiter balance	TP26 Digital voltmeter TP26: 3.48 ±		No signal	E-E	1) Connect a digital voltmeter to TP26. 2) Adjust R43 for 3.48 ± 0.05 V DC.





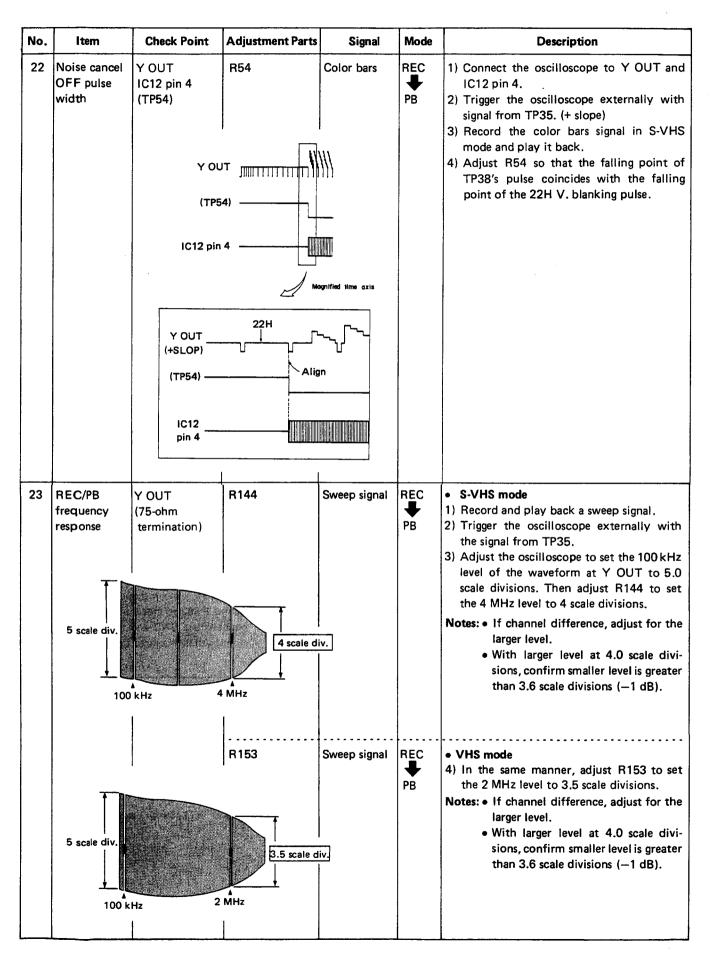
No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Description
10	REC FM level (FMA REC/PB, RF Level check)	TP24 TP20 (AUDIO PWB)	R87 : S-VHS R79 : VHS	Color bars (VIDEO IN) NO signal (AUDIO IN)	REC	 Trigger the oscilloscope externally with the signal from TP35. S-VHS mode Adjust R87 to set the TP24 pedestal to 4.0 Vp-p. VHS mode Hi-Fi REC SW : ON Tuner R79 to set the pedestal level at TP24 to 3.5 Vp-p.
	·		A : S-VHS = 4 VHS = 3.5		REC ♣ PB	 4) Confirm more than 110 mVp-p, level at AUDIO PWB TP20. 5) If less than 110 mVp-p, slightly reduce the TP24 level with R79. Again measure Audio PWB TP20. 6) However, do not set the TP24 level for less than 3.0 Vp-p.
11	REC Y/C delay	TP7 TP9	R97	Pulse/Bar signal (20T)	REC	S-VHS mode 1) Set dual-trace oscilloscope to ADD mode and connect to TP7 and TP9. 2) Adjust R97 to set the 20T pulse lower perimeter as flat and symmetrical as possible.
		TP2 TP29	R108	Pulse/Bar signal (20T)	REC	VHS mode 3) Set dual-trace oscilloscope to ADD mode and connect to TP2 and TP29. 4) In the same manner as step 2, adjust R108.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
12	S-VHS Side-band	TP1 (AD REC PWB)	R8 (AD REC PWB)	3.9 MHz sinwave	REC	Note: If you can make such a filtering device as shown below, this adjustment can easily be performed only by removing the plate on the left side cover.
						Plate Left side cover
						Connect the filtering device and the oscilloscope as shown on the left.
		Connection of	f filtering device			Note: When such the filtering device is unavailable, connect the oscilloscope to pin 7 of IC1 of the AD REC board.
	TP1 C	180 μH or	CHROMA T	PP Scilloscope		 Set the REC MODE switch to "VHS" mode. Record the sinwave (3.9 MHz) Adjust the burst level of the above signal to be 5.0 scale divisions on the oscilloscope screen. Next, change the set position of the REC MODE switch to "S-VHS" mode, and record the same signal.
			В	urst level		 6) Adjust R8 so that the burst level of the above step becomes 4 scale division. Note: 1) When adjusting R8, turn it fully clockwise as viewed from the pattern side beforehand. Then, gradually turn it
			·			counterclockwise, and set it when the measured value meets the specification for the first time. (There are two points where it meets the specification.)

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
13	REC/PB color level	TP9 (COLOR PWB)	R46 (VIDEO-2 PWB)	MHVE-2H	РВ	S-VHS mode Trigger the oscilloscope externally with the signal from TP35. Set slope to (-). Adjust the Tracking control for the optimum point. The MHVE-2H alignment tape. Set the TP9 playback level to 4.0 scale divisions on the oscilloscope.
				Color bars	REC PB	 5) Use a spare tape, record and playback a color bar signal. 6) Set the Tracking control to the center detent position. Record and play back and adjust R46. Repeat this process until TP9 level is 5 scale divisions.
						Notes: Confirm maximum FM waveform at the detent position of the Tracking control. If not maximum, perform control head phase adjustment (section 2.6.6). If there is channel difference, adjust at the larger level. Confirm that smaller level is greater than 4.5 scale divisions (channel difference within 1 dB).
			R47 (VIDEO-2 PWB)	MHVE-2	РВ	VHS mode 7) Play color bar signal of the MHVE-2 alignment tape. Set the Tracking control to the optimum point. 8) Set the TP9 playback level to 5 scale divisions on the oscilloscope.
				Color bars	REC PB	 9) Use spare tape, record and play back a color bar signal. 10) Set Tracking control to the center detent position. Adjust R47, record and play back. Repeat until the TP9 level is 4.5 scale divisions. Note: If channel difference, adjust for the larger level.
14	REC/PB color channel difference	TP5 (COLOR PWB)	R15 (V. PRE PWB)	Color bars	REC PB	 S-VHS mode 1) Trigger the oscilloscope externally with the signal from TP35. 2) Set Tracking control to the center detent position. 3) Adjust R15 to equalize CH1 and CH2 levels.
	a		[a = b]	b		4) This completes adjustment of R15.
			<u>,</u>			

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
15	White and dark clip	4 scale divisions)50mCy	Pulse/Bar signal (20T)	E-E	 VHS mode 1) Connect the oscilloscope to TP52. Adjust the oscilloscope to set 4.0 scale divisions between the sync tip and 100% white. 2) Confirm that levels A and B (see figure) are as follows. A (white clip): 3.5 to 3.9 scale divisions (192 ± 5 %) B (dark clip): 1.6 to 2.0 scale divisions (45 ± 5 %)
		TP53	-	Pulse/Bar signal (20T)	E-É	 S-VHS mode 3) Connect the oscilloscope to TP53. Adjust in the same manner as step 1. 4) Confirm that levels A and B are as follows. A (white clip): 4.0 to 4.8 scale divisions (210 ± 10 %) B (dark clip): 2.4 to 3.2 scale divisions (70 ± 10 %)
16	PB process input level	TP7	R20	O.4 Vp-p	REC PB	S-VHS mode Record and play back a color bar signal. Adjust R20 to set TP7 level to 0.4 Vp-p.
17	CCD bias	TP28	Sync tip	Color bars — GND	REC PB	S-VHS mode Record and play back a color bar signal. Adjust R189 to set DC level of the sync tip to 2.7 V DC.

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Description
18	Video out V/S ratio	TP27 TP20 Y OUT (75-ohm termination)	Monoscope or 100% White	REC → PB	 S-VHS mode 1) Record and play back a color bar signal. 2) Turn R196 to set TP27 level to maximum. 3) Turn R417 counterclockwise (as viewed from pattern side of board) for minimum level. Note: Output ceases if turned too far (min. level approx. 0.9 Vp-p). 4) Adjust the oscilloscope to set the TP20 playback level to 5.0 scale divisions. 5) Adjust R196 to set the TP27 playback level to 5.0 scale divisions. 6) Measure Y OUT level with the oscilloscope and adjust R258 for 1.0 Vp-p. 7) Record and play back. 8) Adjust R417 to set the video to sync ratio at Y OUT to V: S = 7: 2.9-3.0. 	
			<u> </u>			
19	DOC level TP20 TP27		R196	Color bars	REC PB	 S-VHS mode 1) Record and play back a color bar signal. 2) Set the TP20 playback level to 5.0 scale divisions on the oscilloscope. 3) Adjust R196 to set the TP27 level to 5.0 scale divisions.
20	DOC DC balance	IC23 pin 1 IC23 pin 6	R562	Color bars	REC PB	S-VHS mode Record the color bars signal and play it back. Connect the oscilloscope to pin 1 of IC23. Measure voltage between the sync tip and GND.
		DC voltage at pin	1 of IC23 = DC v	oltage at pin 6	of IC23	4) Connect the oscilloscope to pin 6 of IC23.5) Adjust R562 so that the voltage measured
						between the GND and the sync tip is the same as that measured in the step 3).
21	REC/PB Y OUT video out (75-ohm level termination) VIDEO OUT (75-ohm termination)		R258 R246	Color bars	REC PB	S-VHS mode 1) Connect the oscilloscope to Y OUT. 2) Adjust R258 for 1.0 Vp-p Y level. 3) Connect the oscilloscope to VIDEO OUT. 4) Adjust R246 for 1.0 Vp-p Y level.
		VIDEO OUT (75-ohm termination)	R17	Color bars	REC PB	VHS mode Adjust R17 for 1 Vp-p level at VIDEO OUT.



No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
24	2H delay bias	TP1 TP2 (PB COMB PWB)	R2 R10 (PB COMB PWB) Sync- TP1 : 2. TP2 : 2.	tip 7 VDC	REC PB	 Connect the oscilloscope to TP1 (TP2). Adjust R2 to set the TP1 DC level of the sync tip to 2.7 VDC. Adjust R10 to set the TP2 DC level of the sync tip to 2.5 VDC.
25	Comb filter	TP3 (PB COMB PWB)	R18 R22 (PB COMB PWB)	Stairstep	REC PB	S-VHS mode INPUT SELECT: Y/C 443 Supply the stairstep signal to pin 1 of Y/C 443 INPUT connector. (Pin 2: GND) Connect the oscilloscope to TP3 and observe the waveform at H-rate. Adjust R18 to shape the waveform at TP3 to by symmetrical with respect to the horizontal center line. Adjust R22 to minimize and symmetrize serrations of the waveform on the upper and lower sides. Note: The PB COM board can be adjusted and observed even if it is removed from the COLOR board.
26	Noise cancel (Comb filter)	TP19	R239	Color bars (Color level is attenuated by 90%.)	PR239 /	 Signal generator with adjustable color level 1) Set the INPUT SELECT switch to "Y/C 443". 2) Input the color bars signal whose color level is attenuated by 90% (10% level) to the Y/C IN Y terminal (pin 1). 3) Record the color bars signal in S-VHS mode and play it back. 4) Connect the oscilloscope to TP19. 5) Adjust R239 so that the residual chroma component in the 3rd step from the top of the color bars is miminized. Note: The PB COMB board can be adjusted signals to any input terminal such as BNC IN, Y/C IN, etc.
		VIDEO OUT (75-ohm termination) Video noise meter		50% WHITE (without Burst) Y IN	REC PB	Video noise meter is used for this adjustment. Adjust R239 so that noise level becomes minimum.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
27	REC/PB Y/C delay	elay (75-ohm (COLOF R112 (COLOF		Pulse/Bar signal (20T)	REC PB	S-VHS mode Record and play back 20T pulse. Adjust R108 to set the 20T pulse lower perimeter as flat as possible. If flatness cannot be obtained, adjust for left and right symmetry from center. VHS mode Repeat above steps, but adjust R112. Note: If adjustment is difficult, adjust R44 of the COLOR board.
28	DG compensation	VIDEO OUT (75-ohm termination) Waveform monitor	R119 (COLOR PWB) R120 (COLOR PWB)	Stairstep (Modulated 5 steps)	REC → PB	1) Connect a waveform monitor to VIDEO OUT (CHROMA mode: 4.43 MHz BPF). • VHS mode 2) Record and play back 5-step stairstep with overlapped subcarrier. 3) Adjust R119 for flat color signal envelope. • S-VHS mode 4) Repeat above steps, but adjust R120. Note: If waveform monitor is not available, connect oscilloscope to Y OUT.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
29	vxo	TP5 (COLOR PWB) Frequency counter	C54 (COLOR PWB)	MHVE-2H (Color bars)	РВ	1) Play the color bar signal of the MHVE-2H alignment tape. 2) Connect the frequency counter to TP5. 3) Adjust C54 for 4,433,619 ± 50 Hz.
30	(COLOR PWB)		R61 (COLOR PWB)	No signal	E-E	 Supply 2.5 V DC to the line between TP8 and TP GND from a regulated DC power supply unit. Connect the frequency counter to TP10. Adjust R61 for 5.015 ± 0.05 MHz.
	SUPPLY October 10 oct	TP8	TPIO C	REQUECY		
31	Pilot burst width & position TP 7 (VIE H SYNC	5.0 ivsions 0.5 divsions (IO%)		Color bars 3 ± 0.1 μsec 26 ± 0.1 μsec	REC	 S-VHS mode 1) Connect CH-1 of a dual-trace oscilloscope to TP7 and CH-2 to TP9. 2) Adjust R5 so that a 1/10 level of point of the fall of H. sync at TP7 delays 0.8 ± 0.1 μsec against the pilot burst at TP9. 3) Adjust R10 so that the pilot burst width at TP9 becomes 2.26 ± 0.1 μsec.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
32	Pilot burst cancel VIDEO OU (H SYNC)	VIDEO OUT (75-ohm termination)	R1 R7 (COLOR SUB PWB)	Color bars	REC PB	 S-VHS mode 1) Use spare tape, record and play back a color bar signal. 2) Turn R7 fully counter clockwise (viewed from the pattern side). 3) Adjust R1 so that the start point of the pilot burst signal coincides with the point A of the H. sync signal. 4) Adjust R7 to erase the waveform of the pilot burst signal on the oscilloscope.
33	Pilot burst phase COLOR PWB C42 D TP5 D	TP5, C42 (COLOR PWB) OSCILLO CH-1 IN Pilot be	CH-I OUT	COLOR SCOPE OA INPUT DEXT CW SUB CARRIER)	REC	S-VHS mode 1) Connect the oscilloscope's CH-1 IN terminal to C42 for amplification, while connect its CH-1 OUT terminal to the vectorscope's INPUT terminal. 2) Connect the vectorscope's EXT. CW terminal and TP5 (REF. 4.43 MHz). 3) Use the vecorscope's PHASE VR to adjust the burst phase for the normal. At this time, adjust the burst level for convenience of the adjustment with the GAIN VR of the vectorscope. 4) Adjust R52 so that the pilot burst phase becomes 270 ± 5°.

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
34	Pilot burst level	TP9	R51 (COLOR PWB)	Color bars	REC	S-VHS mode 1) Connect the oscilloscope to TP9. Adjust the oscilloscope to set the burst level to 4.0 scale divisions. 2) Adjust R51 to set the pilot burst level to 4.4 scale divisions (110%).
		В	Burst	A : B = 4 : 4.4		
		F	Pilot Burst	1		
				·		
				·		
35	CNR input level	TP2 (COLOR PWB)	R32 (COLOR PWB)	Color bars	REC PB	• S-VHS mode 1) Record and play back a color bar signal. 2) Adjust R32 for 0.27 ± 0.01 Vp-p at TP2.
				0.27 ± 0.01 Vp-p		
	·					

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
36	CNR NR balance	TP4 (COLOR PWB)	R38 (COLOR PWB) L6 (COLOR PWB)	Color bars Minimize.	REC PB	S-VHS mode Record and play back a color bar signal. Adjust R38 and L6 to minimize the 4.43 MHz component at TP4.
37	REC/PB color level	VIDEO OUT (75-ohm termination) ↓ Vectorscope	R44 (COLOR PWB)	Color bars	REC PB	S-VHS mode Record the colour bars signal and play it back. With input of the reference colour bars signal (EBU75%) to a vectorscope, adjust the vectorscope's GAIN control so that burst level crosses the scope's circumference. Change the input signal to the vectorscope from the reference colour bars signal to PB signal from the Y/C443 OUT. Adjust R44 to equalize level of the luminous point of the burst signal with the level of the reference colour bars signal.
38	Tracking	Tracking meter	R411	Color bars	REC	• S-VHS mode
	meter	20 10 7 5	3 1 012 3 , <u>/ / / /</u>		PB	 Set the METER SELECT switch to TRACKING and set the Tracking control to center detent. Record and play back a color bar signal. Adjust R411 so that indicator reads just 1 of the scale. VHS mode Confirm the indicator between 0 and 4 of the scale. (See figure)

No.	ltem	Check Point	Adjustment Parts	Signal	Mode	Description
39	Noise canceller	Y OUT (75-ohm termination)	R9 (AD REC PWB)	100% Chroma	REC PB	 S-VHS mode 1) Trigger the oscilloscope externally with signal of TP9 of the COLOR board. 2) Record the blue signal and play it back. 3) Measure the level "A" shown in the figure on the left. 4) Change the set position of R9 and record the blue signal again to measure the level "A" by playing it back. 5) Repeat the steps 2), 3) and 4) and finally set R9 with the minimum value of the level "A" obtained.
	тр9 /	$\widetilde{\bigvee}$	TRIG	:TP9 0 2		Reference: When it is difficult to judge the minimum point of the level "A" through the above steps, record the signal as R9 is turned slowly and play it back to measure approximate value of the level "A".
		Same as above	R10 (AD REC PWB)	Same as above	REC PB	● VHS mode 6) In VHS mode, use R10 for adjustments of the above steps 2) through 5).
40	Video PB FM level	TP25	In case of A > VHS : B = 0.38 S-VHS : B = 0.3-	5-0.415 Vp-p	REC PB	VHS mode 1) Trigger the oscilloscope externally with the signal from TP35. 2) Record and play back a color bar signal. 3) Confirm TP25 level of 0.385 to 0.415 Vp-p. Note: If channel difference, confirm for the lower level. S-VHS mode 4) Similarly, confirm TP25 level of 0.30 to 0.6 Vp-p.

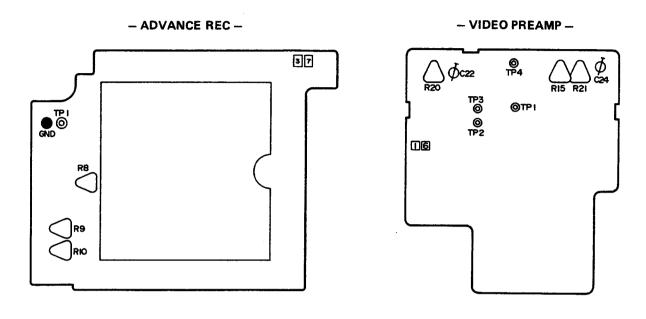
3.6 SYSCON CIRCUIT

Note: This adjustment requires a variable 12 V DC power source.

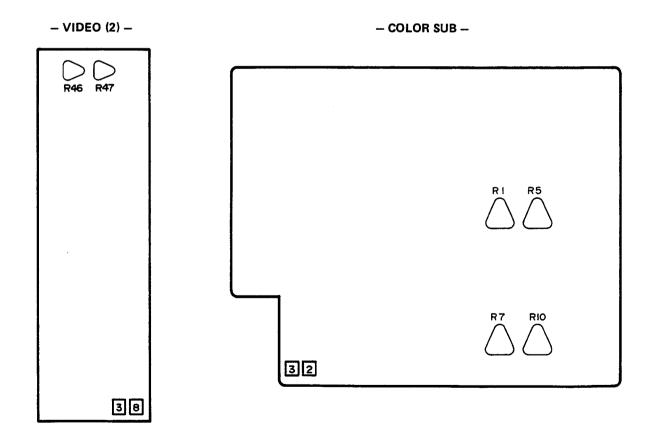
No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
1	Battery down indicator	TP4 (REG)	12 VDC INPUT power source	Color bars	REC	1) Connect a digital voltmeter to REGU-LATOR board TP4 (+), connect ground to the shield case. 2) Adjust power source for 10.3 ± 0.05 V.
		TP3 (SYSCON)	R65 (SYSCON)	Color bars	REC	3) Adjust R65 so that TP3 drops from High to Low.

3.7 LOCATION OF TEST POINTS AND ADJUSTMENT PARTS

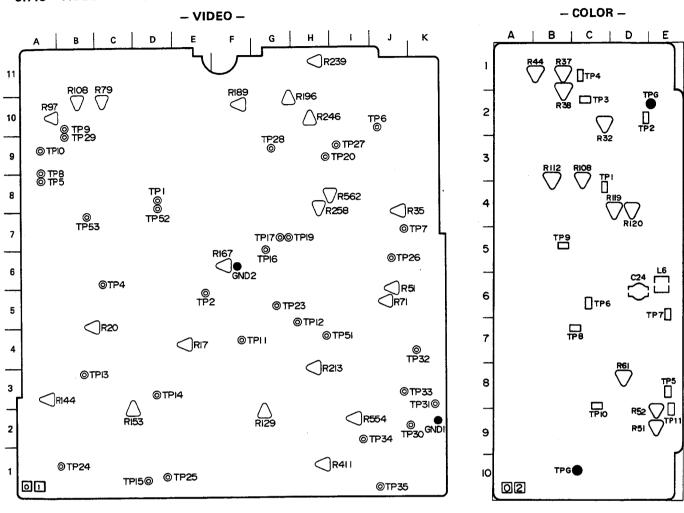
3.7.1 ADVANCE REC BOARD/VIDEO PRE AMP BOARD



3.7.2 VIDEO (2) BOARD/COLOR SUB BOARD



3.7.3 VIDEO BOARD/COLOR BOARD



- VIDEO -

TP	1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	20	23
Location	D8	E5	C6	A8	J9	J7	A8	B9	A9	F4	H5	В3	D3	D1	G6	G7	G7	Н9	G5
TP	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	GND1	GND2		
Location	B1	D1	J6	19	G9	B9	K2	К3	K4	J3	12	J1	H4	D7	B7	K2	F6		

R	17	20	51	71	79	97	108	129	144	153	167	189	196	213	239	246	258	411
Location	E4	85	J5	J5	C10	A10	B10	G2	А3	C2	F6	F10	G10	H4	H11	H10	H7	H1
R	554	562				_												
Location	12	H8																

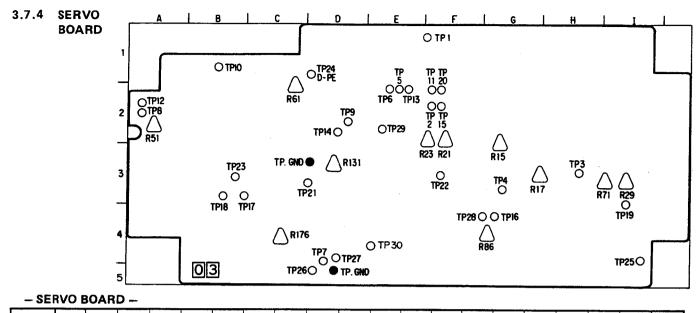
- COLOR -

TP	1	2	3	4	5	6	7	8	9	10	11	GND	GND
Location	C4	D2	C2	C1	88	C6	E6	C 7	B 5	C8	E8	C10	E2

R	32	38	44	51	52	61	108	112	119	120
Location	C2	B1	B1	E9	E8	D8	C3	B 3	D4	D4

С	24
Location	D6

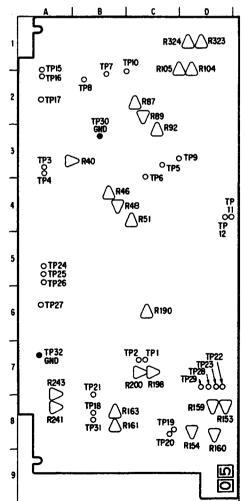
L	6
Location	E6



TP .	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Location	F1	F2	Н3	G3	E2	E2	D4	A2	D2	B1	F2	A2	E2	D2	F2	G4	В3	В3	13	F2
TP	21	22	23	24	25	26	27	28	29	31	GND	GND								
Location	D3	F3	В3	D1	14	D5	D4	G4	E2	E4	D3	D5								

R	15	17	21	23	29	51	61	71	86	131	176
Loaction	G2	Н3	F2	F2	13	A2	C2	13	G4	D3	C4

3.7.5 AUDIO BOARD



- AUDIO BOARD -

TP	1	2	3	4	5	6	7	8	9 .	10
Location	C7	C7	A3	А3	C3	C3	В2	B2	СЗ	C1
TP	11	12	15	16	17	18	19	20	21	22
Location	D4	D4	A 1	A2	A2	B8	C8	C8	B7	D7
TP	23	24	25	26	27	28	29	30	31	32
Location	D7	A5	A5	A5	A6	D7	D7	B3	B8	A7

R	40	46	48	51	87	89	92	104	105	153
Location	В3	B4	B4	C4	C2	C2	C3	D1	C1	D8
R	154	159	160	161	163	ر19	198	200	241	243
Location	D8	D8	D8	В8	B8	C6	C7	C7	A8	A7
R	323	324								
Location	D1	D1								

SECTION 4 DIAGRAMS AND CIRCUIT BOARDS

4.1 KEY TO ABBREVIATIONS

EY	TO ABBRE\	/IATIONS .		COL	: Color
				COM	: Common
_				COMP	: Comparator
Α	ACC	: Automatic Color Control		COMP	Composite
	ADD	: Adder			-
	ADC	: Analog to Digital Converter		CONN	Compensation : Connector
	ADJ	: Adjustment			
	A DUB	: Audio Dubbing		CT	: Ceramic Trap
	AE	: Audio Erase		CTC	: Crosstalk Cancel
	AEF	: Automatic Edition Function		CTL	: Control
	AFC	: Automatic Frequency Control	D	D	: Drum
	AFT	: Automatic Fine Tuning		DAC	: Dightal to Analog Converter
	AGC	: Automatic Gain Control		DD	: Direct Drive
	AH	: Audio Head		DEC	: Decoder
	AL	: After Loading		DEMOD	: Demodulator
	ALC	: Automatic Level Control		DET	: Detector
	ALM	: Alarm		DEV	: Deviation
	AM	: Amplitude Modulation		DFRS	: Drum Free RUN STOP
	AMP	: Amplifier		DIF TRANS	: Differential Transformer
	ANT	: Antenna		DISCR	: Discriminator
	APC	: Automatic Phase Control		DL	: Delay Line
	APL	: Average Picture Level		DOC	: Dropout Compensator
	ASSEM	: Assembly		DRUM FF	: Drum Flip Flop
	ASS'Y	: Assembly		DUB	: Dubbing
	ATT	: Attenuator			. Dabbing
	AUTO	: Automatic	Ε	E	: Edit, Erase
	AUX	: Auxiliary		EDP	: Electronic Data Processing
	AUD	: Audio		E∙E	: Electric to Electric
_				EF	: Emitter-Follower
В	В	: Brake		EMPHA	: Emphasis
	BAL	: Balance		EMG	: Emergency
	BATT	: Battery		ENC	: Encoder
	BCD	: Binary Coded Decimal		EN	: Enable
	BEG	: Beginning		EQ	: Equalizer
	BFP	: Burst Flag Pulse		ESNS	: End Sensor
	BIT	: Binary Digit		EXP	: Expander
	BLK	: Black		EXT	: External
	BLU	: Blue	_		55
	BNC	: Bayonet connector	F	FE	: Full Erase
	BPF	: Bandpass Filter		FF	: Fast Forward
	BRN	: Brown			Flipflop
	BRT	: Brightness		FG	: Frequency Generator
	B. SOL	: Brake Solenoid		FM	: Frequency Modulation
	B/W	: Black and White		FMA	: FM Audio
С	С	: Ceramic		FREQ	: Frequency
•	CAP	: Capstan		F-V CONV	: Frequency to Voltage Converter
	CASS	: Cassette		FWD	: Forward
	CF	: Ceramic Filter, color Frame	G	GDL	: Grass Delay Line
	CC	: Cassette compartment	_	GEN LOCK	: Generator Lock
	CE	•		GND	: Ground
		: Chip Enable : Channel		GRN	: Green
	CHROMA	: Chrominance		GRY	: Gray
	CHROMA		_		
	CLK	: Clock	Н	Н	: High, Horizontal
	CLR	: Clear		HG	: Hall Generator
	CMD	: Command		HPF	: Highpass Filter
	CNT	: Count, Counter			
	CONV	: Converter			

I	IF IFT	: Intermediate Frequency : Intermediate Frequency Transformer
	IND	: Indicator
	INH	: Inhibit
	INS	: Insert
	INT	: Internal, Interrupt
	INV	: Inverter
	1/0	: Input/Output
L	L	: Low
	LB	: Low Band
	LCD	: Liquid Crystal Display
	LE	: Loading End
	LED	: Light Emitting Diode
	LIN	: Linearity
	LIM	: Limiter
	LOAD	: Loading
	LP	: Long Play
	LPF	: Lowpass Filter
	LT	: Loading Tension
М	MAX	
IAI	MDA	: Maximum : Motor Drive Amplifier
	MIC	: Microphone
	MIN	: Minimum
	MIX	: Mixer
	MM	: Monostable Multivibrator
	MOD	: Modulator
	MON	: Monitor
	MOS	: Metal Oxide Semkonductor
	MPX	: Multiplexer
	MS	: Mode Select
	MUT	: Muting
N	NC	: Noise Cancel
	NFB	: Negative Feedback
	NO	: Normally Open
0	OPAMP	
U	OPAMP	: Operational Amplifier
	ORN	: Operation
	OSC	: Orange : Oscillator
_		
P	PB	: Playback
	PC	: Photocoupler
	PCM	: Pulse Code Modulation
	PGM	: Program
	PG	: Pulse Generator
	PI	: Photo Interrupter
	PLL	: Phase Locked Loop
	POS	: Position
	PR	: Pinch Roller
	PREV	: Preview
	PRL	: Preroll
	PU	: Pickup
_	PWB	: Printed Wiring Board
Q	<u>Q</u>	: Quality Factor
R	RA	: Resistor Array
		: Random Access
	RAM	: Random Access Memory
	REC	: Recording

	REG	: Regulated
	REV	: Reverse
	REW	: Rewind
	RF	: Radio Frequency
	RST	: Reset
	R/P	: Record/Playback
	RPT	: Repeat
	RT	: Rotary Transformer
_	RY	: Relay
S	S	: Search, Servo
	SC	: Subcarrier
	SEAR	: Search
	SEL	: Select
	SENS SEP	: Sensor
	SF	: Separator : Source Follower
	SFF	: Short Fast Forward
	SFWD	: Search Forward
	SI	: Serial In
	SIG	: Signal
	SO	: Serial Out
	SOL	: Solenoid
	SOS	: Sound on Sound
	SP	: Standard Play
	SR	: Supply Reel
	SREV	: Search Reverse
	SREW	: Short Rewind
	SSG	: Sync-Signal Generator
	STL	: Still
	SUP	: Supply
	SYNC	: Synchronization
_	SYSCON	: System control
T	TBC	: Time Base Corrector
	TC	: Tension Control, Time Code
	TDG	: Time Date Generator
	T. EALM	: Tape End Alarm
	TEN TIM	: Tension : Timing
	TK	: Tracking
	TL	: Time Lapse
	TREC	: Timer Record
	TSW	: Time Switch
	TU	: Take-up
	TUR	: Take-up Reel
U	UNLD	: Unloading
	UNREG	: Unregulated
	UNSW	: Unswitched
V	V	: Video, Vertical
	VCO	: Voltage Controlled Oscillator
	VD	: Vertical Drive
	VXO	: Variable Crystal Oscillator
	VLT	: Violet
	VSCH	: Variable Search
W	WHT	: White
	wv	: Working Voltage
	WARN	: Warning
X	XTL	: Crystal
Y		
ľ	Y YLW	: Luminance : Yellow
	I LVV	. I CHOW

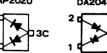
4.2 REPLACING SUBMINIATURE "CHIP" **PARTS**

- 1. Some resistors, shorting jumpers (0 Ω resistance). ceramic capacitors, transistors, and diodes are chip parts. These chip parts cannot be reused after they are once removed.
- 2. Additional compactness is achieved by using subminiature chip parts for certain circuit elements. When replacing these parts, note the cautions outlined below.

Chip transistors and diodes used in this model are outlined as follows.

• Chip diode

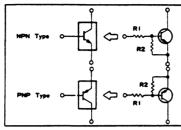








Digital transistor



RESISTOR VALUES

JUNCTION	Part No.	R1 (kΩ)	R2 (kΩ)
PNP	DTA144EK DTA124E	47 22	47 22
NPN	DTC144EK	47	47
INFIN	DTC124EK	22	22

Note: The digital transistor includes built in resistors. It features small size and high reliability. Both PNP and NPN types are available. USES: INVERTER, INTERFACE, DRIVER CIRCUITS.

• Chip transistor and chip diode imprinting

Transistors			Diodes		
Туре	Imprinting	Туре	Imprinting	Туре	Imprinting
DTA124EK	15	2SD601(S)	YS	DA204K	К
DTA144EK	16	2SD601A(QR)	ZQ, ZR	DAP202K	P
DTC124EK	25	2SD1328ST	1DS, 1DT	DAN202K	N
DTC144EK	26	2SD621	30		
2SA 1022C	EC	FMW3	W3	·	
2SA1037K	FQ, FR, FS	FMS3	S3		
2SB709	AO AT				
2SB709A(QR)	BQ, BR				
2SC2405	SR, SS, ST				
2SC2405(ST)	SS, ST				
2SC2411K(QR)	CR, CQ				
2SC2412K	BQ, BR, BS				
2SC2412K(S)	BS				
2SC2412K(RS)	BR, BS				
2SC2778C	KC				
2SD601	YO – YT				
2SD601A	ZQ, ZR, ZS				
Imprinting (C) Ranking AQ (B)2 1(E)		Imprinting Ranking AQ BUCUUF		Imprinting R N	

Note; () refers to Transistor rank.

- 3. Required tools:
 - 1) Fine tipped, well insulated soldering "pencil" (with absorbent) (Temp: 130°C ~ 260°C).
 - 2) Tweezers
- 3) Blower type hair dryer.
- 4. Soldering cautions:
 - 1) Do not apply heat for more than 3 seconds.
 - 2) Avoid using a rubbing stroke when soldering.
 - 3) Discard removed chips: do not reuse them.
 - 4) Supplementary cementing is not required.
 - 5) Use care not to scratch or otherwise damage the chips.
- 5. Soldering conditions:
 - 1) Resistors, capacitors, etc.

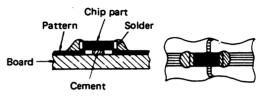


Fig. 4-1

2) Transistors, diodes, etc.

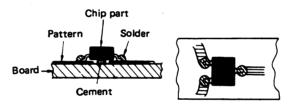


Fig. 4-2

- 6. Removal (resistors, capacitors, etc.):
- 1) Grasp the part with repair jig and melt the solder at one side.

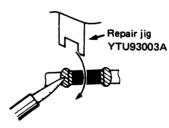
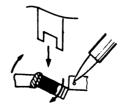


Fig. 4-3

2) Melt the solder at the other side and remove the part with a twisting motion.



- 7. Removal (transistors, diodes, etc.):
 - 1) Melt the solder of one lead.



2) Lift the side of that lead upward.



Fig. 4-6

3) Simultaneously heat solder of the two remaining leads and lift part to remove.



Fig. 4-7

- 8. Preheating (except for semiconductors): Immediately before installing new resistors or capacitors, use a blower type hair dryer and preheat the part for about two minutes at approximately 150°C.
- 9. Replacement:
 - 1) Presolder the contact points of the circuit pattern.



2) Press the part downward with repair jig and apply the soldering pencil as indicated in the figure.

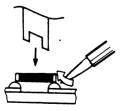
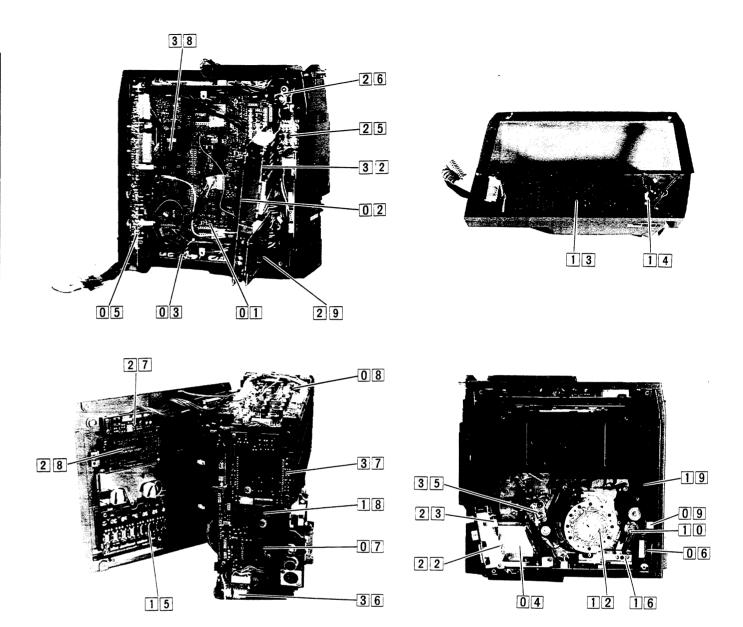


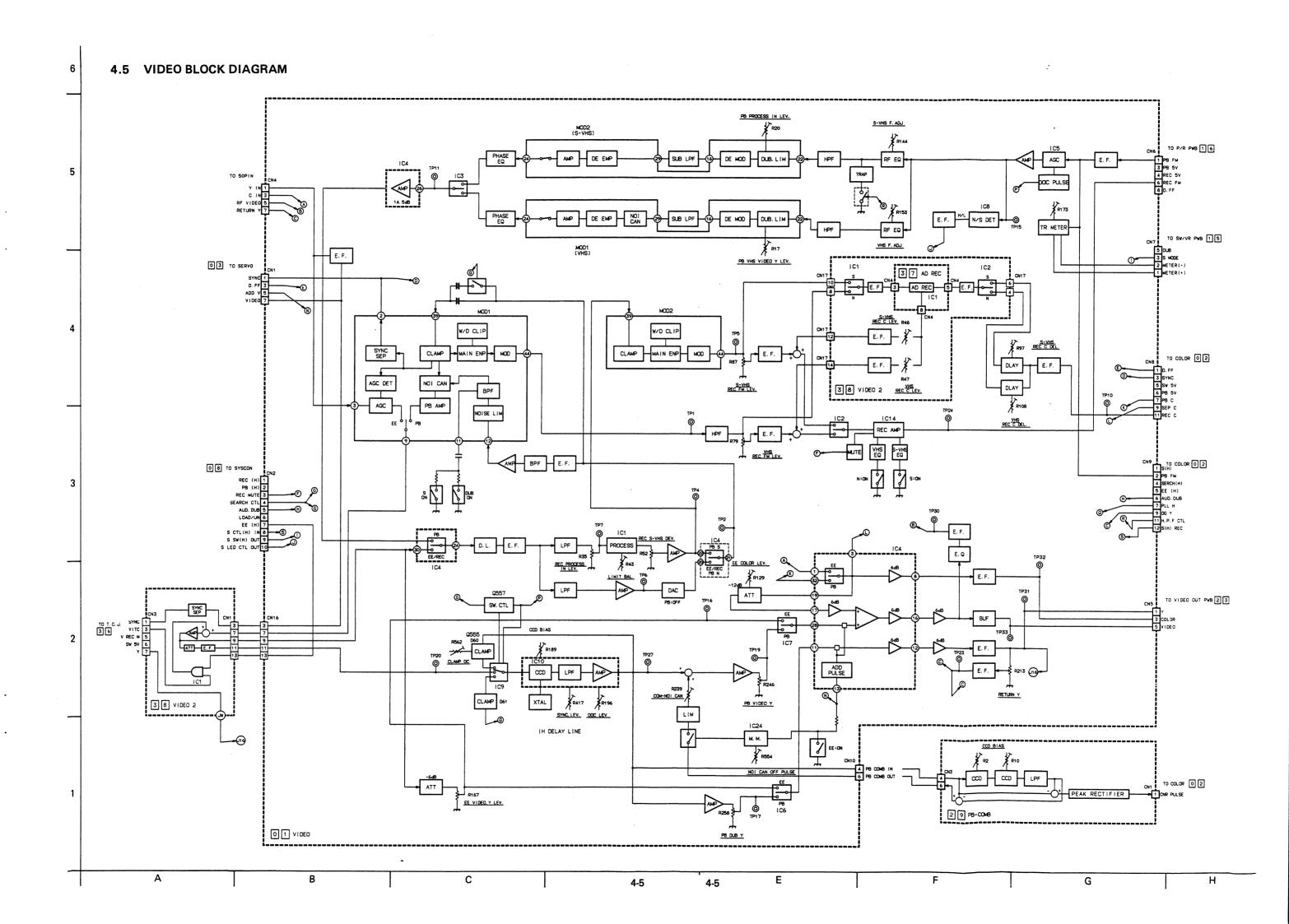
Fig. 4-9

4.3 CIRCUIT BOARD LOCATIONS

. Index to board by kind of diagram

Board No.	Doord Name		Page of Diagram				
	Board Name	Block Diagram	Schematic Diagram	Circuit Board	Parts List		
01	VIDEO	4-5	4-10, 11	4-12, 13	6-6		
02	COLOR	4-6	4-14	4-15	6-13		
03	SERVO	4-7	4-30, 31	4-32	6-15		
0 4	MDA	_	4-33	4-33	6-18		
0 5	AUDIO	4-8	4-24	4-26, 27	6-18		
05	FM AUDIO SUB	4-8	4-25	4-26, 27	6-23		
0 6	FMA PRE AMP	_	4-23	4-23	6-24		
07	REGULATOR	_	4-34	4-34	6-25		
08	SYSCON	4-9	4-36	4-37	6-25		
09	ERASE	_	4-34	4-34	6-27		
10	FULL ERASE		_	_	6-28		
13	XLR	_	4-28	4-29	6-28		
14	AUDIO CONNECTOR	-	4-28	4-29	6-29		
15	SWITCH		4-35	4-35	6-29		
16	VIDEO PRE AMP	- .	4-22	4-22	6-30		
18	START SENSOR	_	-	4-40	6-30		
19	END SENSOR	_	_	4-40	6-30		
20	TAKE-UP SENSOR	_	_	4-40	_		
21	SUPPLY SENSOR	_	_	4-40	_		
22	DC IN	_	-	4-40	6-30		
23	VIDEO OUTPUT	-	_	4-40	6-30		
25	FUSE	_		4-40	6-31		
26	MAIN SWITCH	_	_	4-40	6-31		
27	OPERATION BUTTON	_	4-35	4-35	6-31		
28	COUNTER		4-42	-	_		
29	PB COMB	4-5	4-16	4-17	-		
3 2	COLOR SUB	4-6	4-18	4-18	_		
35	A/C HEAD	-	-	4-42	6-35		
36	VITC JUNC	_	4-21	4-21	6-35		
37	ADVANCE REC		4-20	4-20	6-35		
38	VIDEO (2)	4-5	4-19	4-19	c 0c		
39	EARPHONE	_	4-28	4-29	6-36		

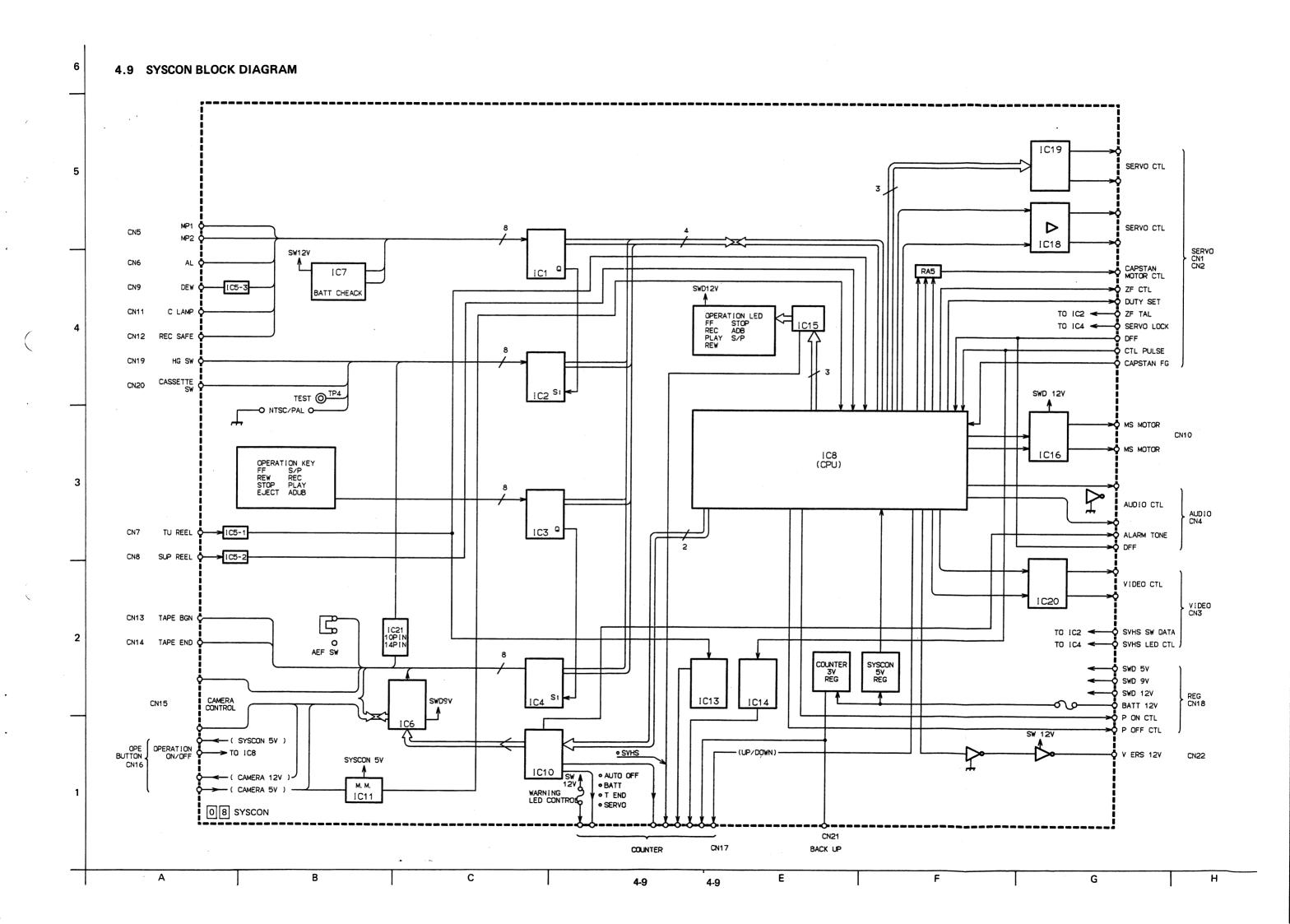




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C515202 202 100/ 47/6.3 48 S. RF A
VHS RF B
MIX Y ③ C
RF Y IDEO (1)
RETURN Y (E) Q110 093 043 (4.3) Reg (8.1)
(2.2) (9 188 188 20 C11 P14 C116 0, 022 C1 (2.1) (3.1)

2.61 P14 C116 0, 022 C1 (3.1)

2.62 P14 C116 0, 022 C1 02 (2.2) R4 (2.5) 02 (2.2) R4 (2.5) 03 ADD V. PUL D. F. F REC MUTE REC FM REC C SYNC D18 R135 22K 033 a 124 035 036 C121 0.01 VMS F ADJ TO SV 16 -CN4 THE THE R402 P. T. H (0n) 0501 ONO 200 - CN3

ONO 200 - CN3

1 54 94

2 54 94

3 GND

6 PB Y COMB IN

6 PB Y COMB OUT

7 GND

6 CLOCK GND Q45 Q119 1C6 AN6308S Q120 1C7 AN6308S VC2074

C145 3 3 3 5 5 6 7 0 (5.1)

T 147 6 3 9 1 6 7 0 (5.1)

T 147 6 3 9 1 6 7 0 (5.1)

T 147 6 3 9 1 6 7 0 (5.1)

T 147 6 3 9 1 6 7 0 (5.1)

O(S.1)

O(S.1) 身ଞ 130 3 138 176 3 188 176 3 188 C136 C137 L34 C149 47/6.3 R410 8.2% C150 0.022 27.5 27.78 27.78 27.78 27.78 27.78 27.78 27.78 R130 560 11 5103 C105 41/6.3 0.01 Oue 1 D. FF 2 GND 3 SYMC 4 GND 5 SY 50 SY R426 33X C140 0.01 C141 4. 7/25 (W13) R199 R215 C165 100P R204 560 \$ 230 000 Cisal 1 200 Cisal 1 2 R316 F. C200 3.5% JP3 PC200693 PC200693 R416 R417 100 10x 7 C170 C172 C173 F205 C022 F26 R339 560 70 VIDEO(2) 3 8 -O(3 960 258709A R216 10K C161 10/16 C162 WIB PGE 2016 7A 2 R199 1K TO COLOR

CHYP | SEP |

SEP | SEP |

TO COLOR

SEP | SEP |

SEP | SEP |

TO COLOR

SEP | SEP |

SEP | SEP |

TO COLOR

SEP | SEP |

SEP | SEP |

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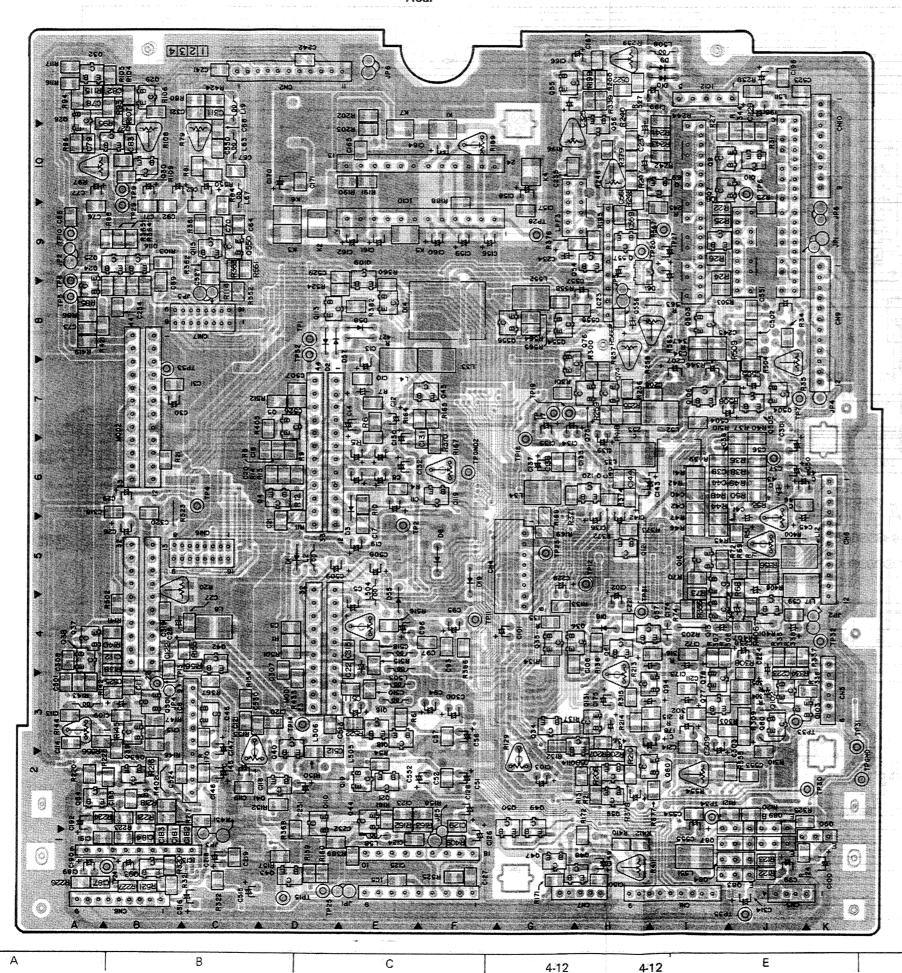
SEP | SEP | SEP | SEP |

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SEP | SEP | SEP | SEP | SEP |

SEP | SEP | SEP | SEP | SEP |

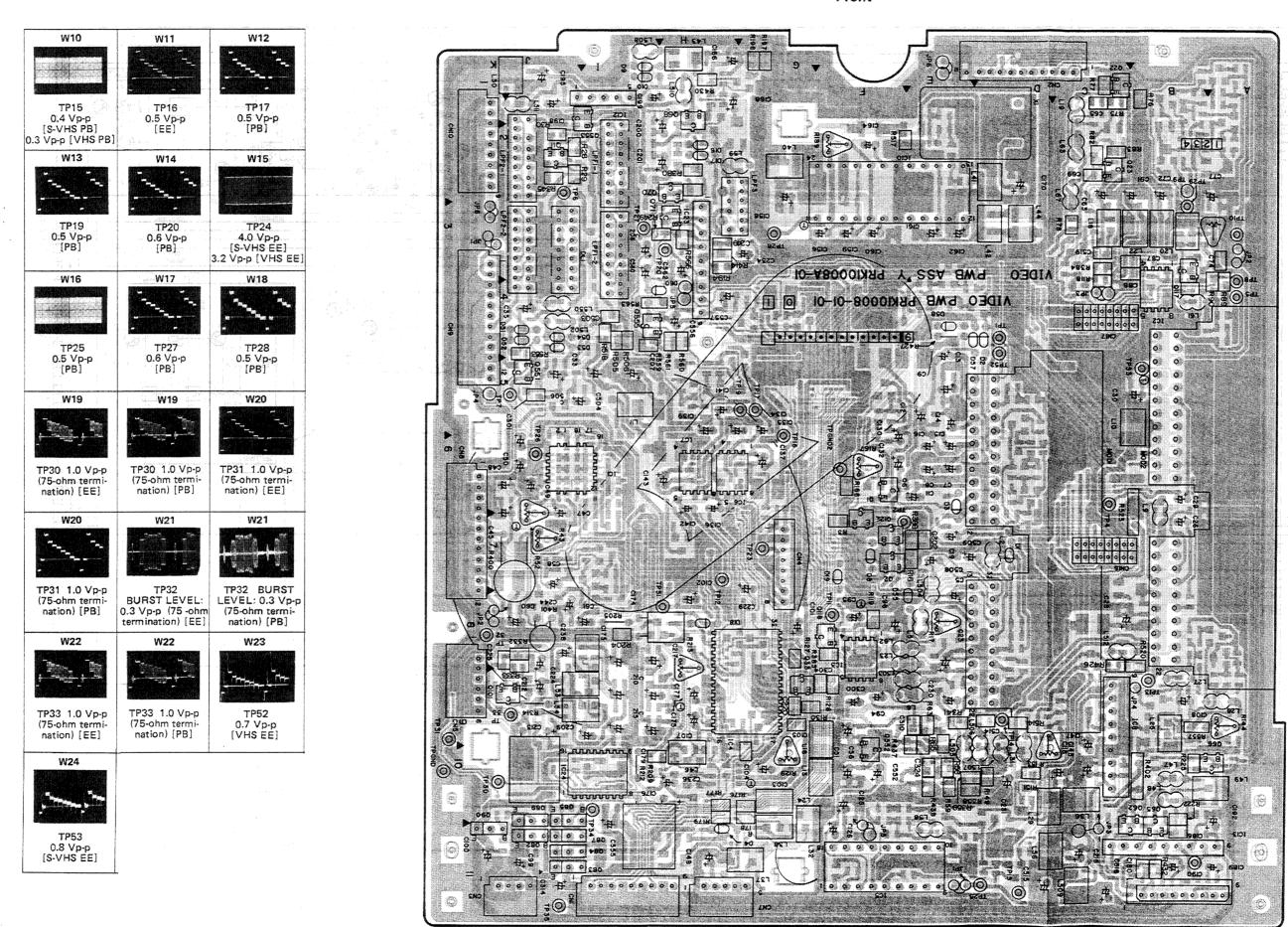
SEP | SEP | SEP | SE R566 C157 68 0.022 ₩15 CCD BIAS Q557 VIDEO OUT 9553 T C196 150 L54 100 R257 1K R300 1K -IC12 BA401 R249 \$ 1511 VIDEO RF VIDEO C523 1 Y OUT (W21) O 1 VIDEO REC C REC FM J Κ L Ν 0 4-11 4-11



W1	W2	W2
	4	
re programme de la companya del companya del companya de la compan		
	2	
	TP2	TP2
1.2 Vp-p [VHS REC]	1.2 Vp-p [EE]	1.1 Vp-p [PB]
W3	W4	,W5
4 4		
TP4	TP5	TP6
1.1 Vp-p [EE]	1.2 Vp-p [S-VHS EE]	1.2 Vp-p [EE]
W5	W6	W6
ТР6	TP7	TP7
1.1 Vp-p [VHS PB]	0.4 Vp-p [EE]	0.4 Vp-p [S-VHS PB]
W7	W7	W8
		1
500 d on 500		
TP10	TP10	TP11
0.3 Vp-p [S-VHS EE]	0.3 Vp-p (VHS EE)	0.2 Vp-p [S-VHS PB]
8W	ew.	₩9
[
TP11 0.2 Vp-p	TP12	TP12
[VHS PB]	0.5 Vp-p [EE]	0.5 Vp-p [PB]
en la esta de la composition della composition d		

1:

BANGLA 💏 DE PREGO SUGDO DE P



4-13

4-13

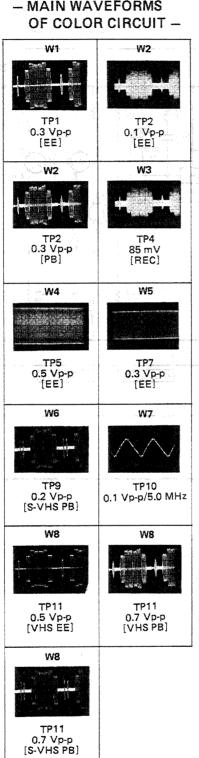
4-14

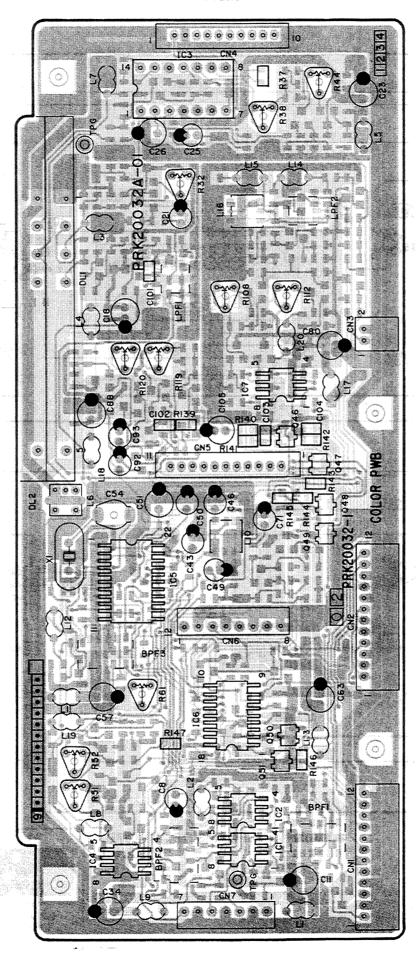
4-14

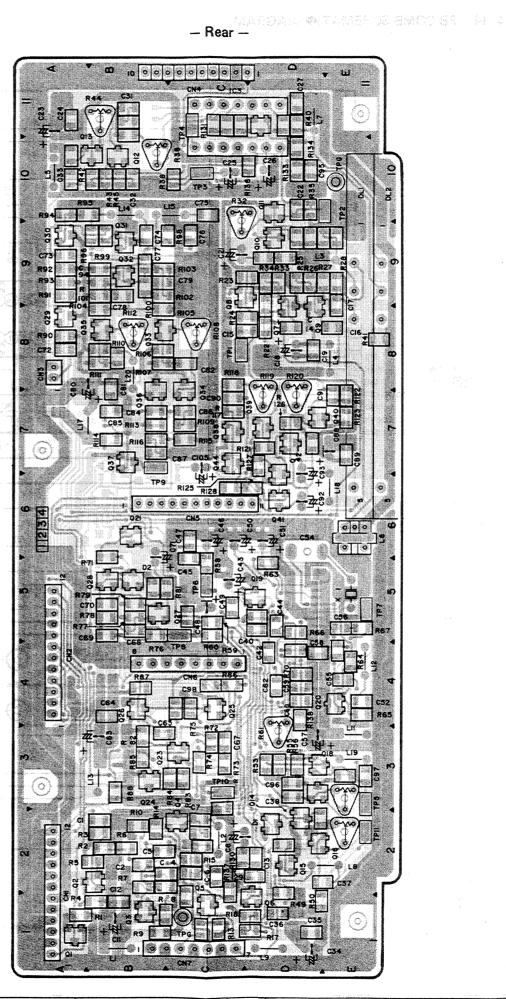
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С



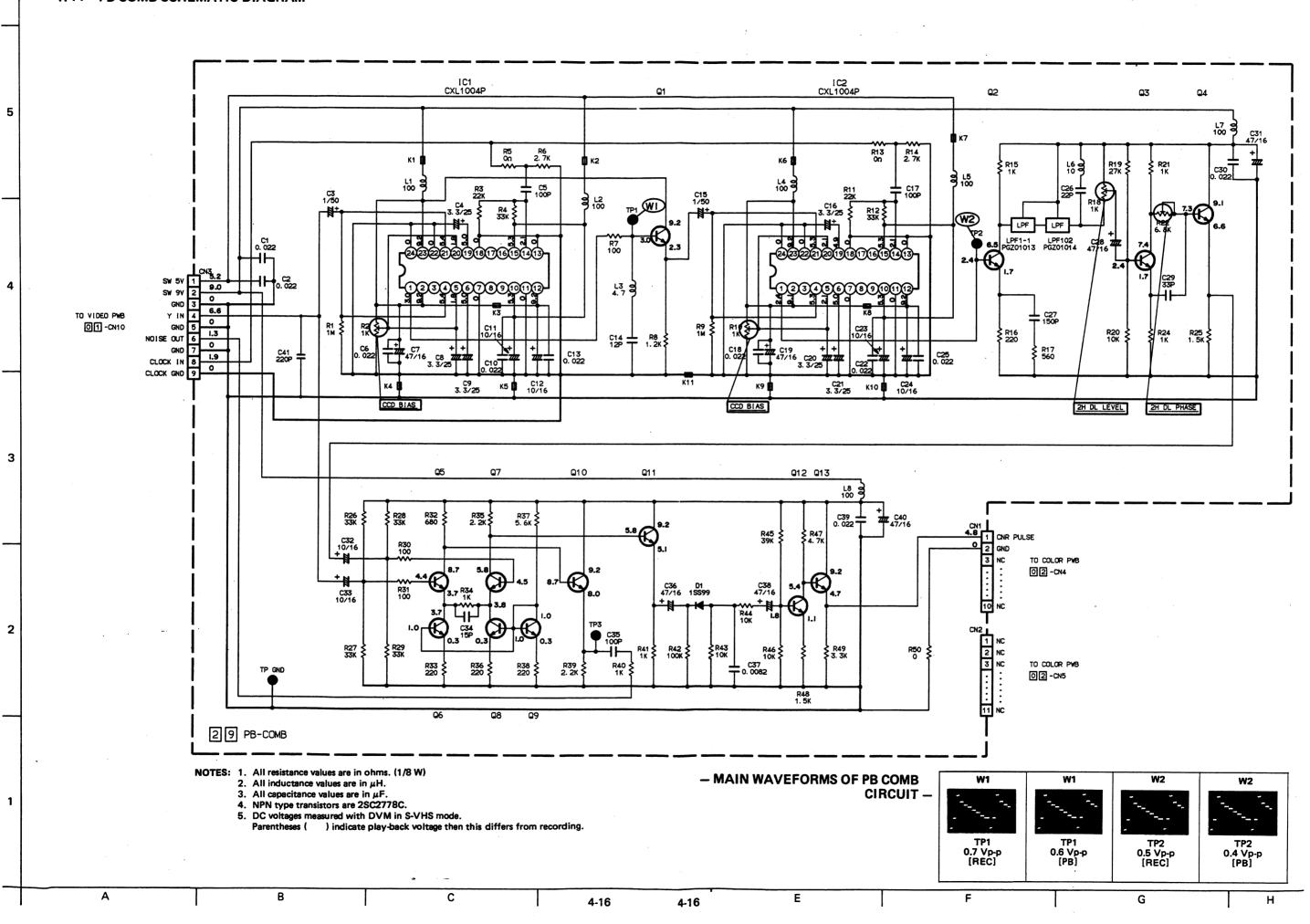






4-15

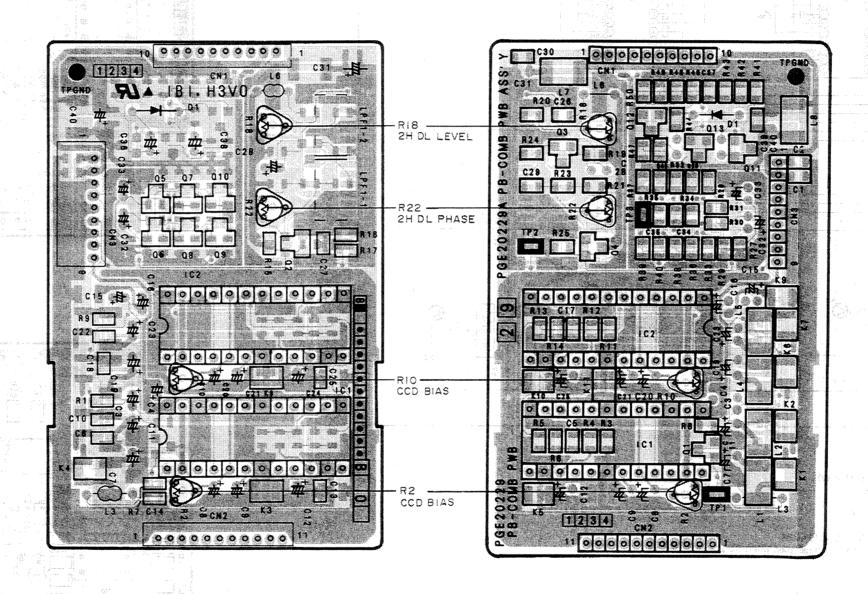
4-15



- PB COMB -

- Parts side -

- Pattern side -



8

4-17

4-17

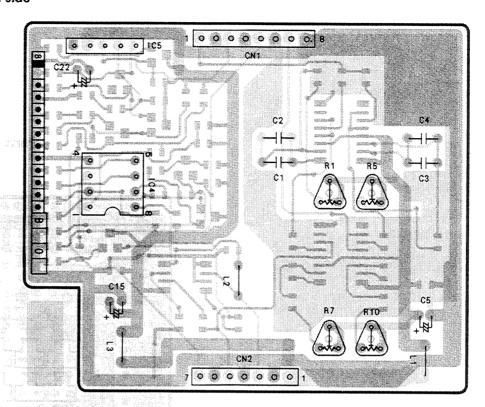
F

G

ANDREE COLORES DE SOLET. ET 2

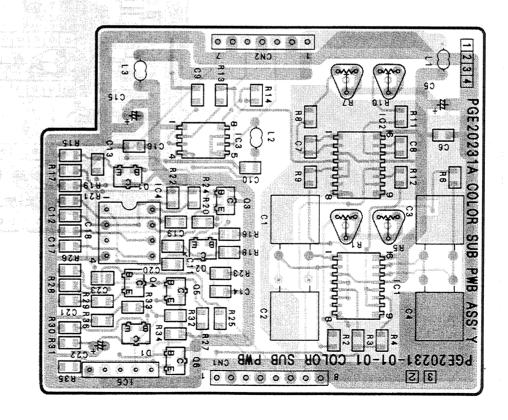
H

4.17 COLOR SUB CIRCUIT BOARD



BU 24시간 71.**(속성**취 등급하다 121. 호기. 호기

- Parts side -



PARSI PERSI DE To COLOR To COLOR 32 COLOR SUB

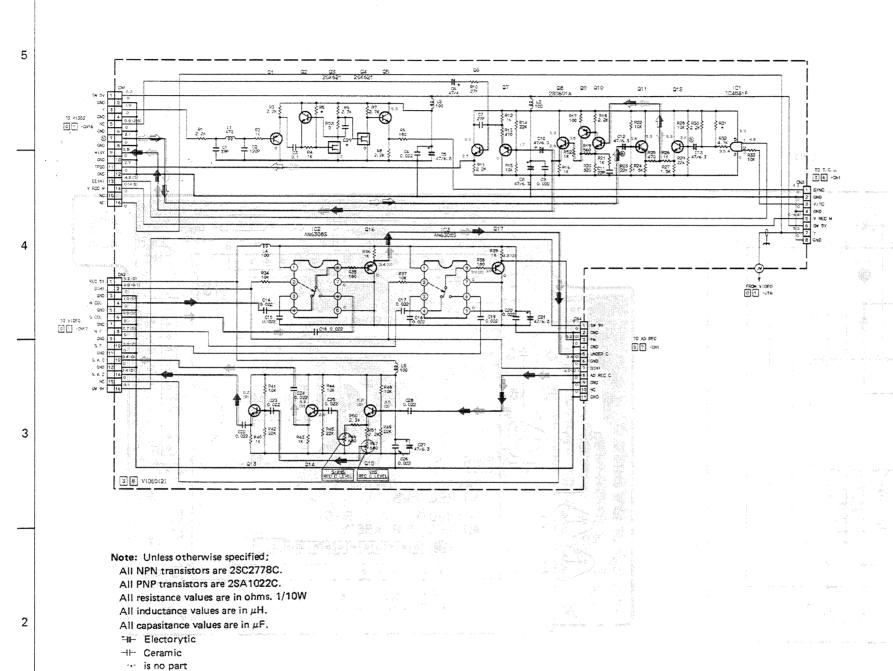
NOTES: 1. All resistance values are in ohms. (1/8 W)

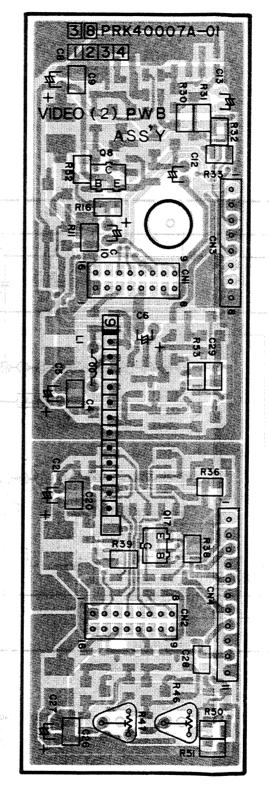
- 2. All inductance values are in µH.
- All capacitance values are in μF.
 NPN type transistors are 2SC2778C.
- 5. All diodes are DA204K.
- 6. DC voltages measured with DVM in S-VHS mode.

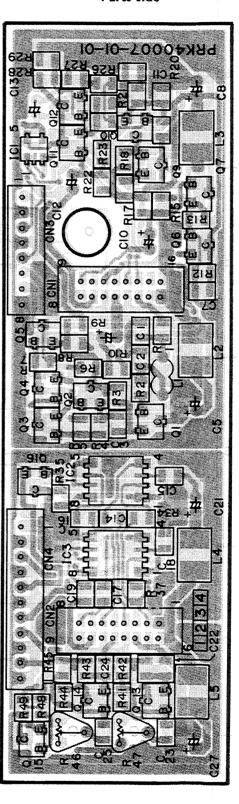
Parentheses () indicate play-back voltage then this differs from recording.

- Pattern side -

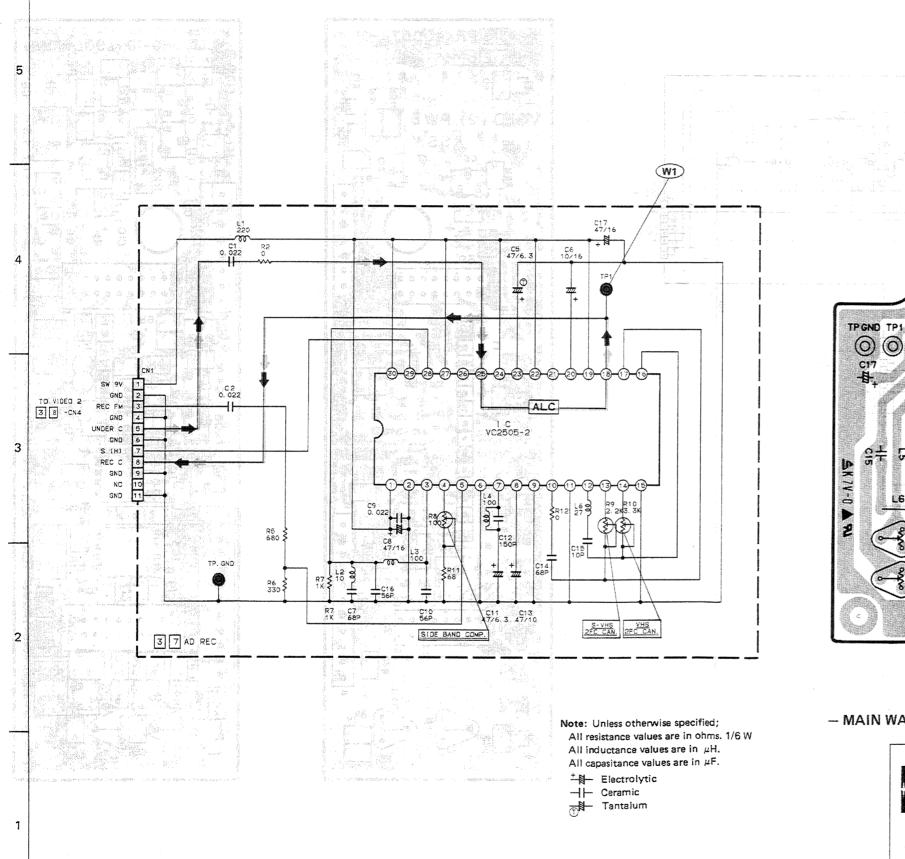
- Parts side -

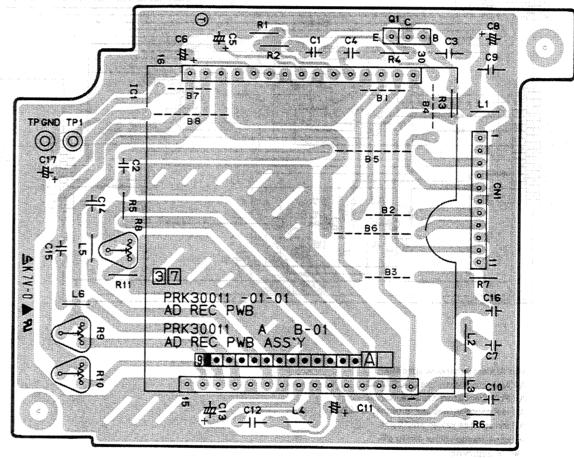




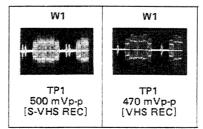


A B C 4-19 E F G H



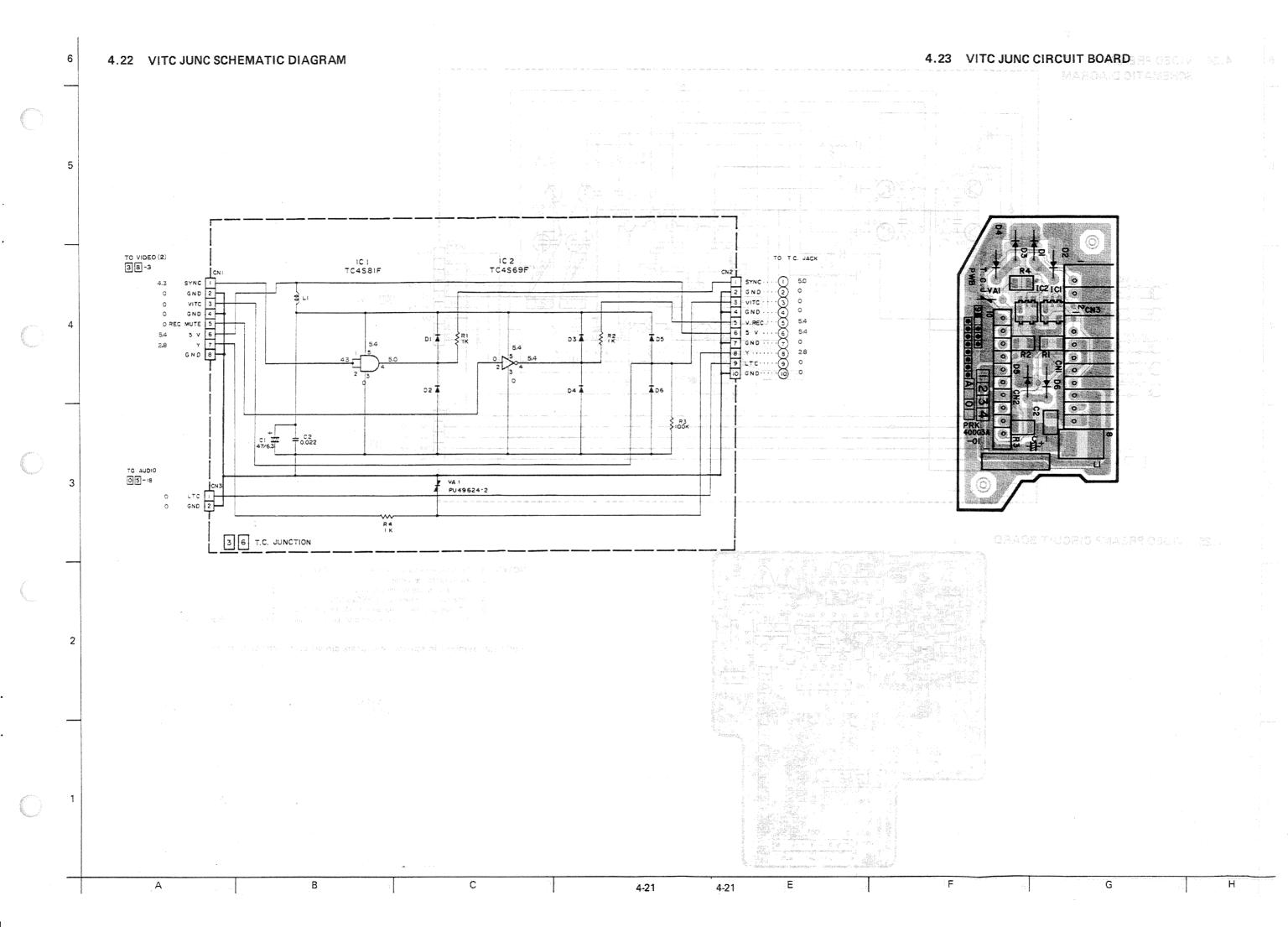


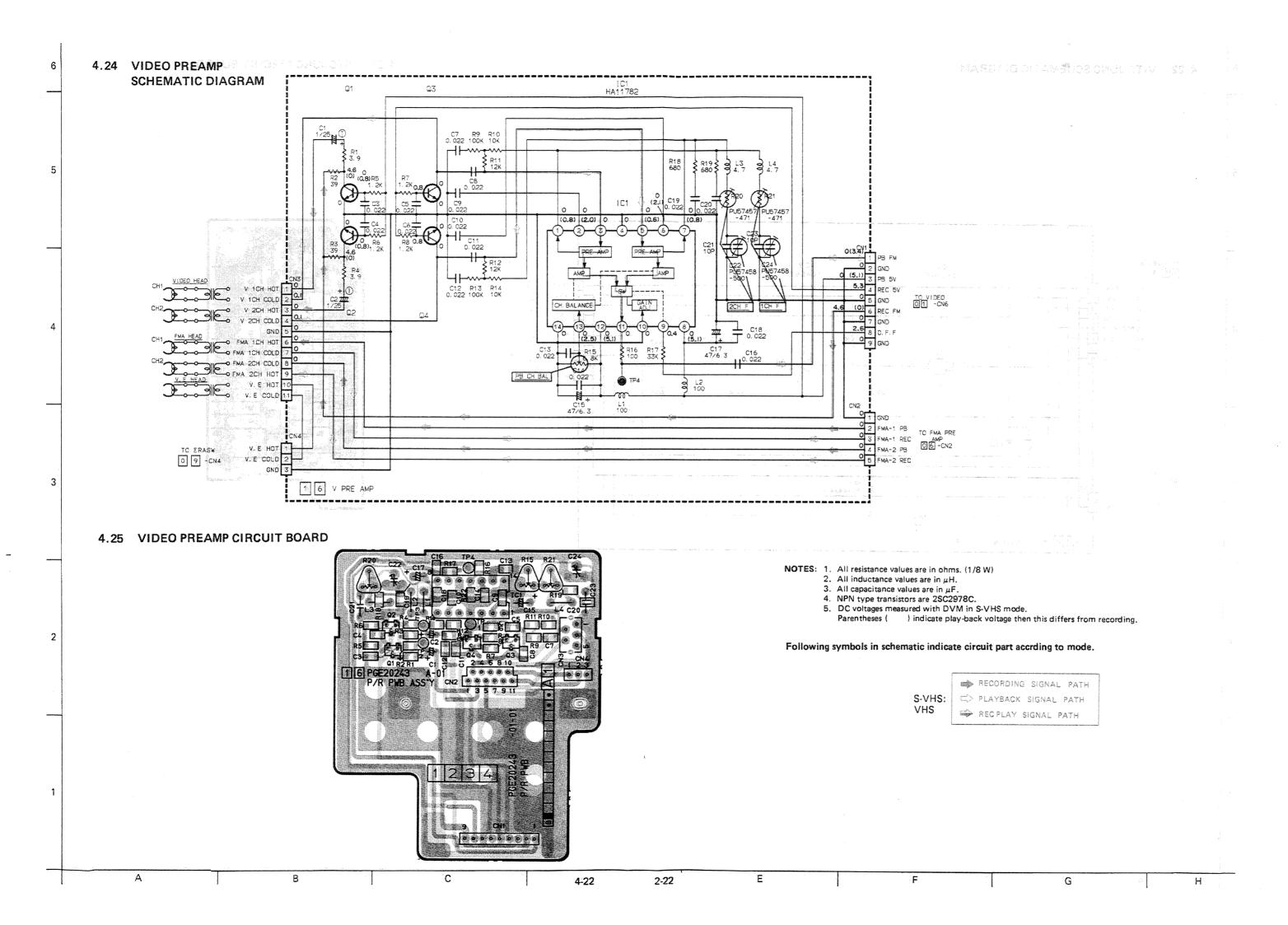
- MAIN WAVEFORMS OF AD REC CIRCUIT -



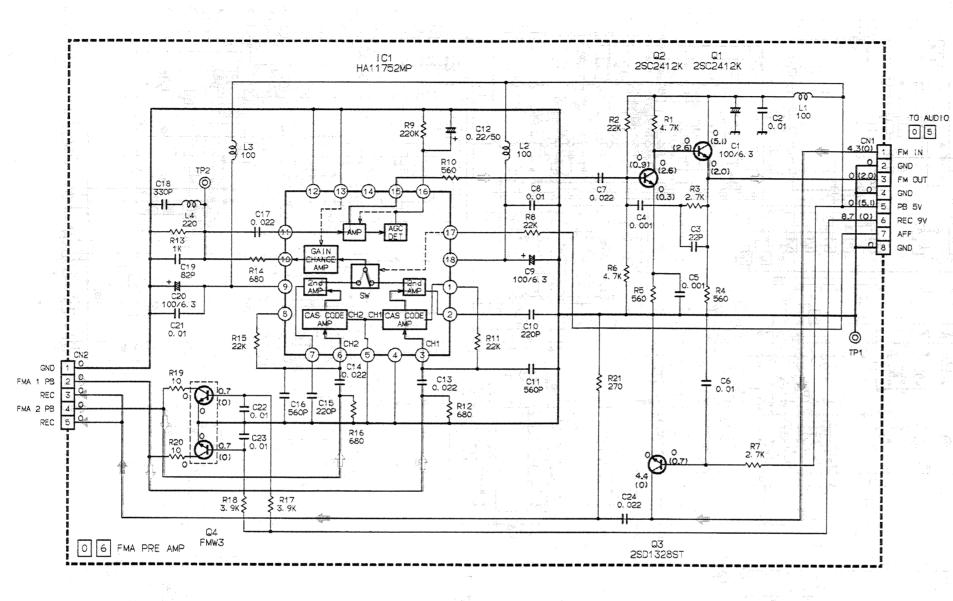
4-20

4-20

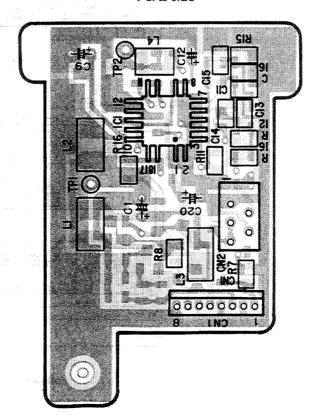




- Pattern side -



- Parts side -



- NOTES: 1. All resistance values are in ohms. (1/8 W)
 - All inductance values are in μH.
 All capacitance values are in μF.

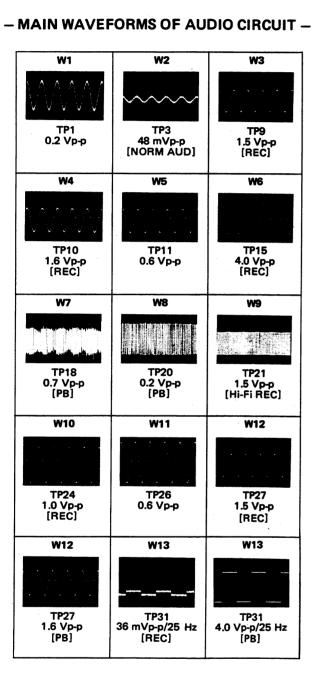
 - 4. DC voltages measured with DVM in S-VHS mode.
 - Parentheses () indicate play-back voltage then this differs from

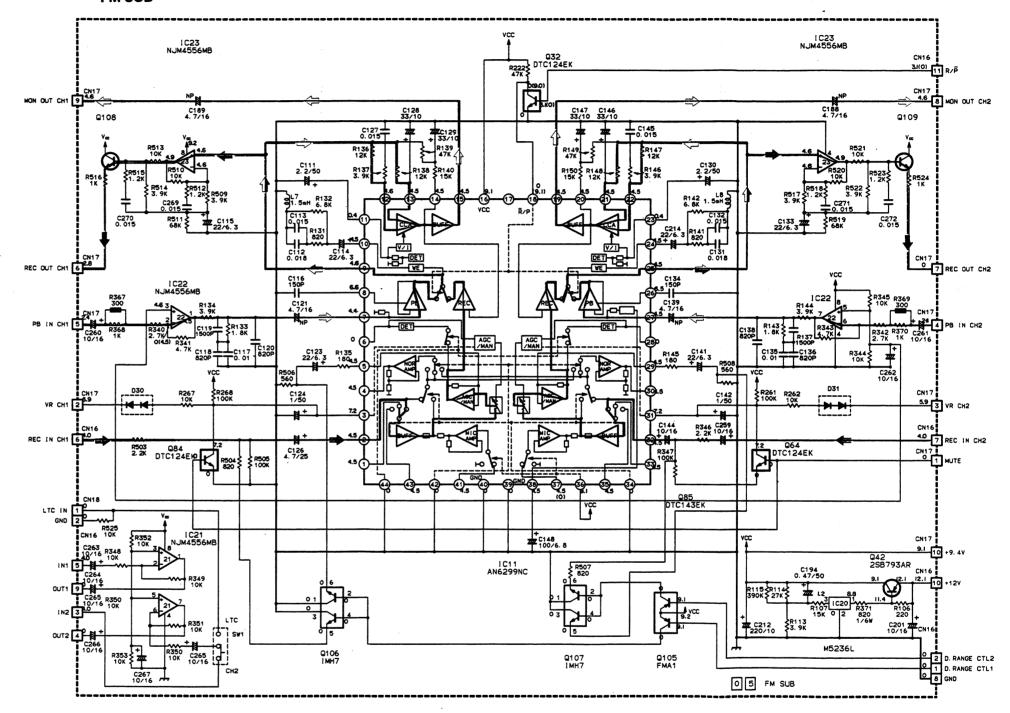
Following symbls in schematic indicate circuit path accrding to mode.

> RECORDING SIGNAL PATH C> PLAYBACK SIGNAL PATH RECPLAY SIGNAL PATH

4-23 4-23

- FM SUB -





NOTES: 1. All resistance values are in ohms. (1/8 W)

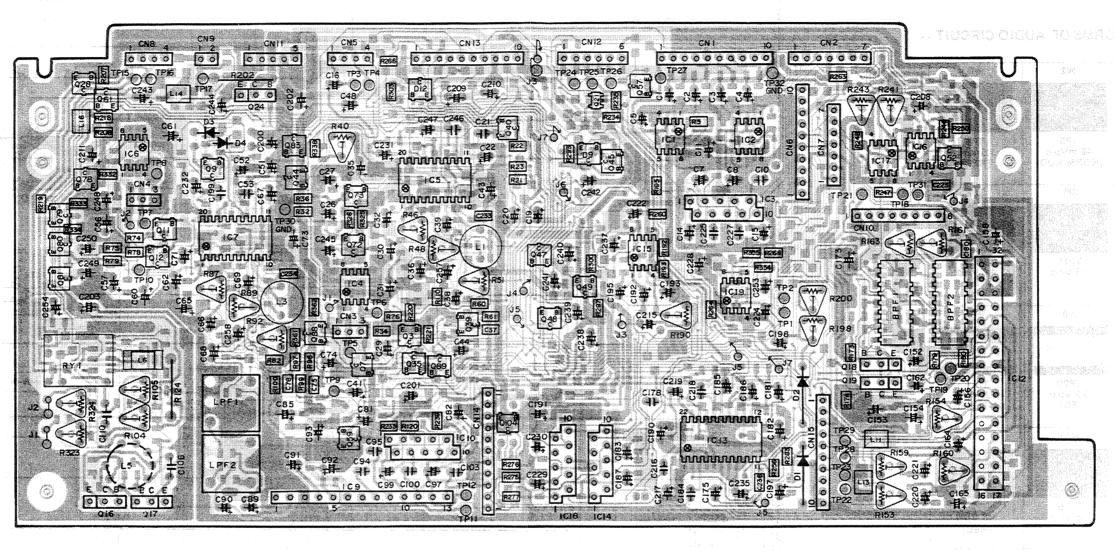
- All inductance values are in μH.
- All capacitance values are in μF.
 All diodes are DA204K.
- 5. DC voltages measured with DVM in S-VHS mode.

Parentheses () indicate play-back voltage then this differs from recording.

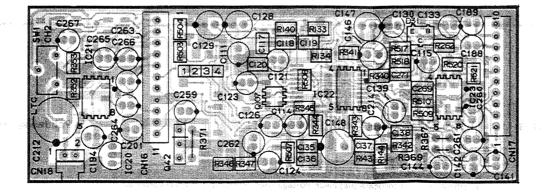
Following symbols in schematic indicate circuit part accrding to mode.

- RECORDING SIGNAL PATH
- PLAYBACK SIGNAL PATH
- REC PLAY SIGNAL PATH

4-25 4-25 0 - Front -



- FM SUB -
- Front -

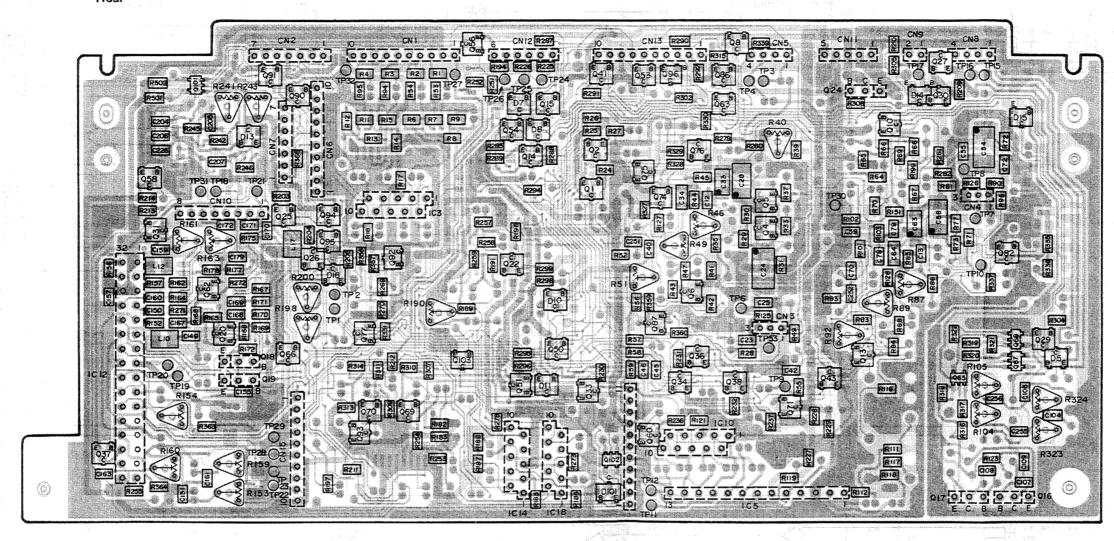


A B C 4-26 E F G H

- [2] 경영화 교통하다 (1) 등로 불림물이라 경향하는 경향으로 보면 소금 (2) 약 편에는 (1) 12 12 15 15 12 22 22

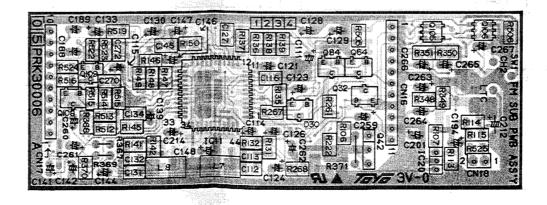
- AUDIO -

- Rear -

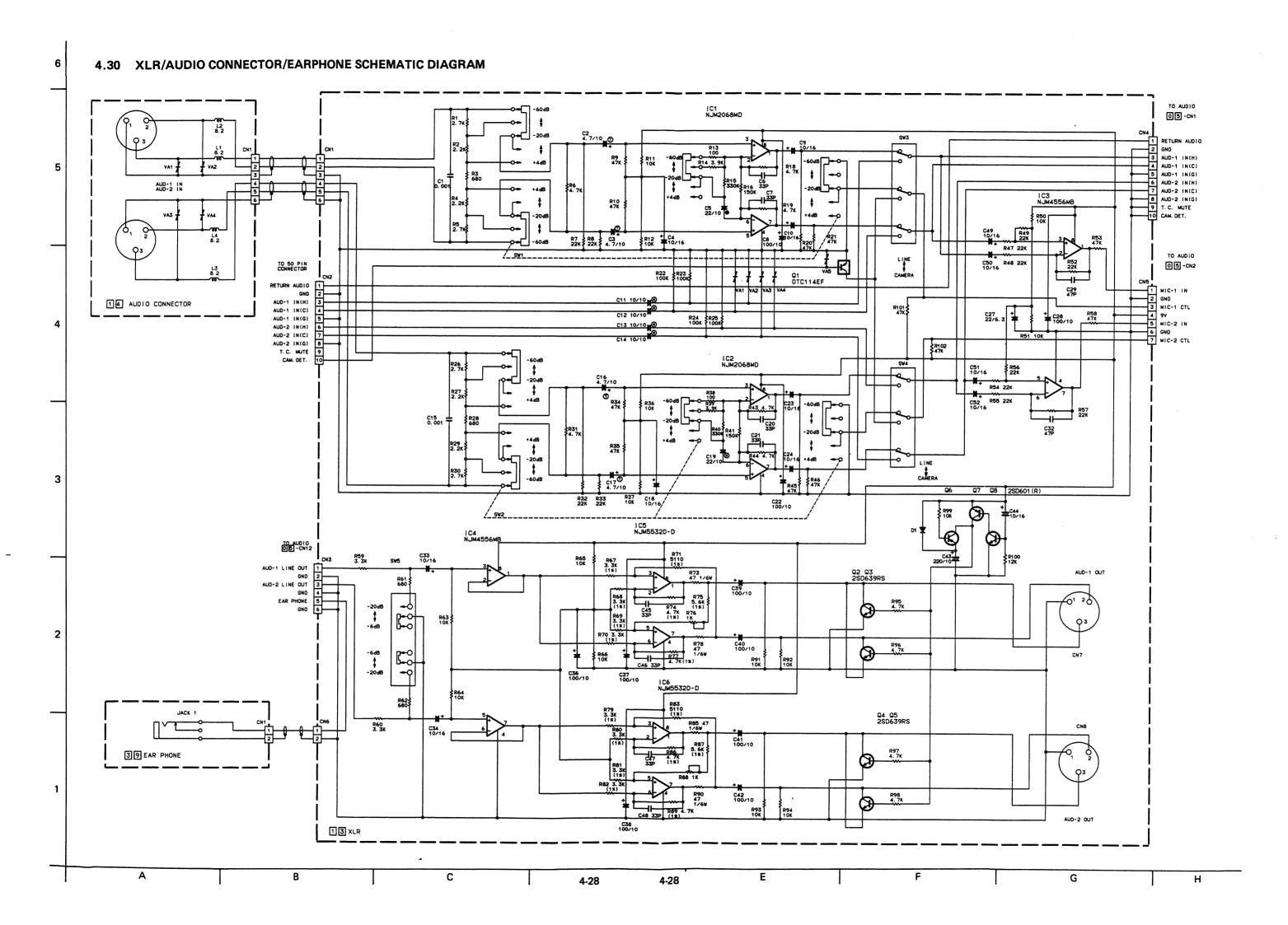


— FM SUB -

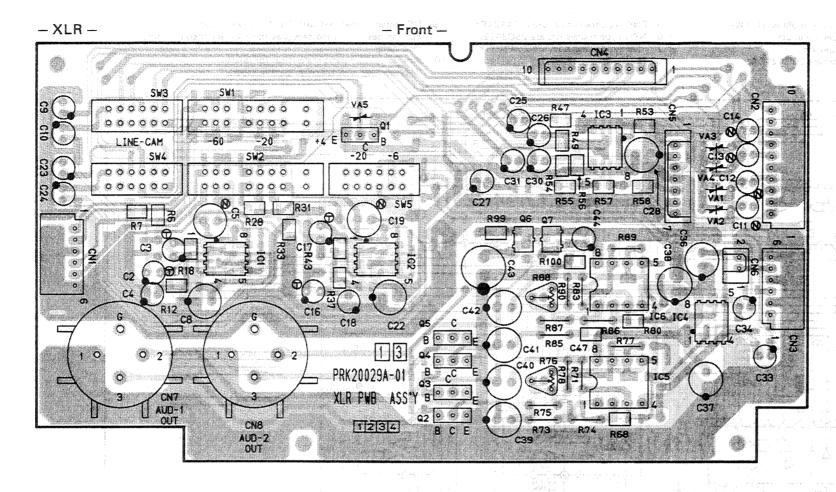
– Rear -



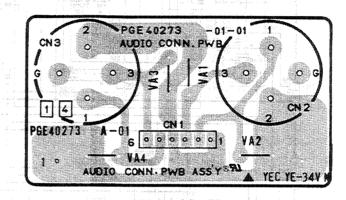
J K L 4:27 4.27 M N O P



4.31 XLR/AUDIO CONNECTOR CIRCUIT BOARD



- AUDIO CONNECTOR -

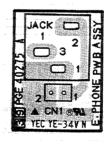


MARION OF LAMBRIC OVER SELECTION

4-29

4-29

- EARPHONE -



NOTES: 1. All resistance values are in ohms. (1/8 W)

2. All inductance values are in μH .

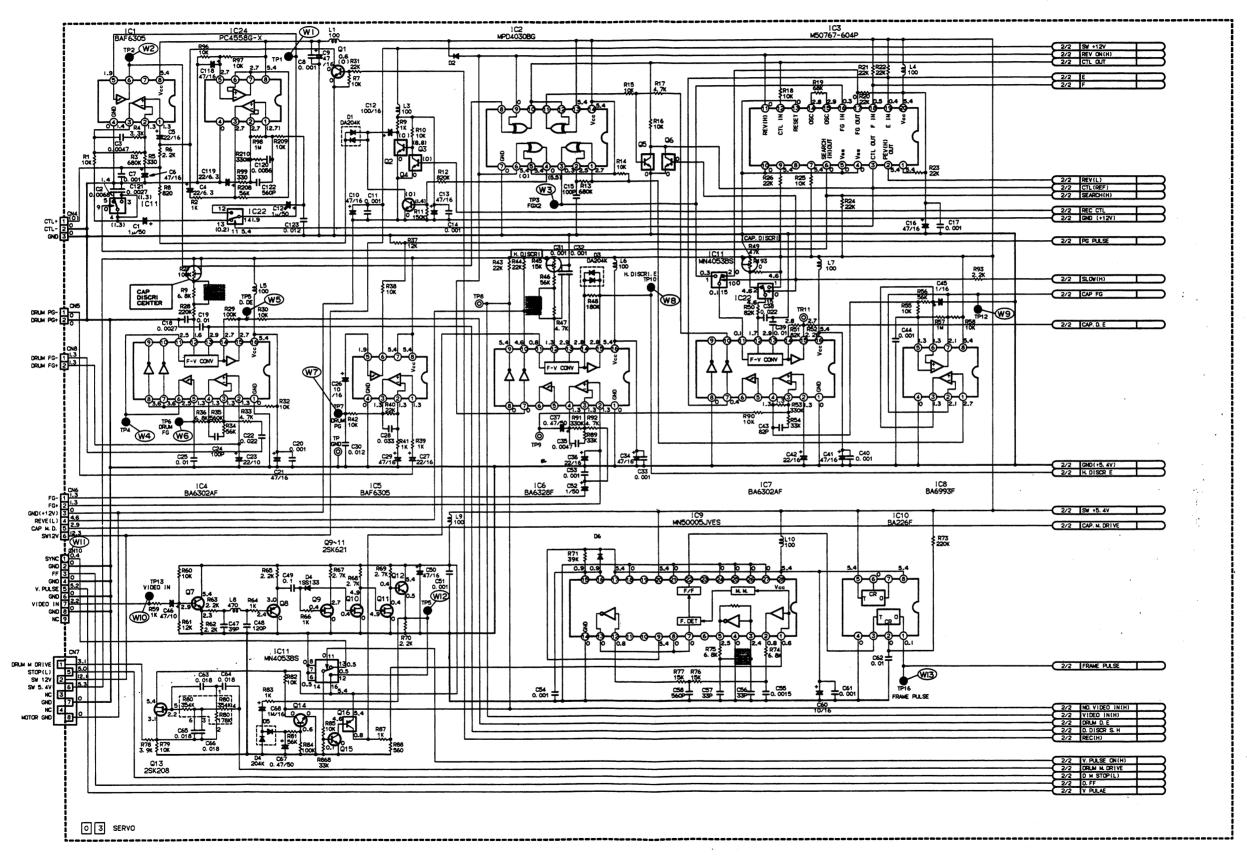
С

- 3. All capacitance values are in μ F.
- 4. NPN type transistors are DTC124EK.
- 5. PNP type transistors are DTA124EK.
- NPN type transistors are 2SC2412K.
 PNP type transistors are 2SA1037K.
- 8. All diodes are 1SS133.
- 9. DC voltages measured with DVM in S-VHS mode.

 Parentheses () indicate play-back voltage then this differs from recording.

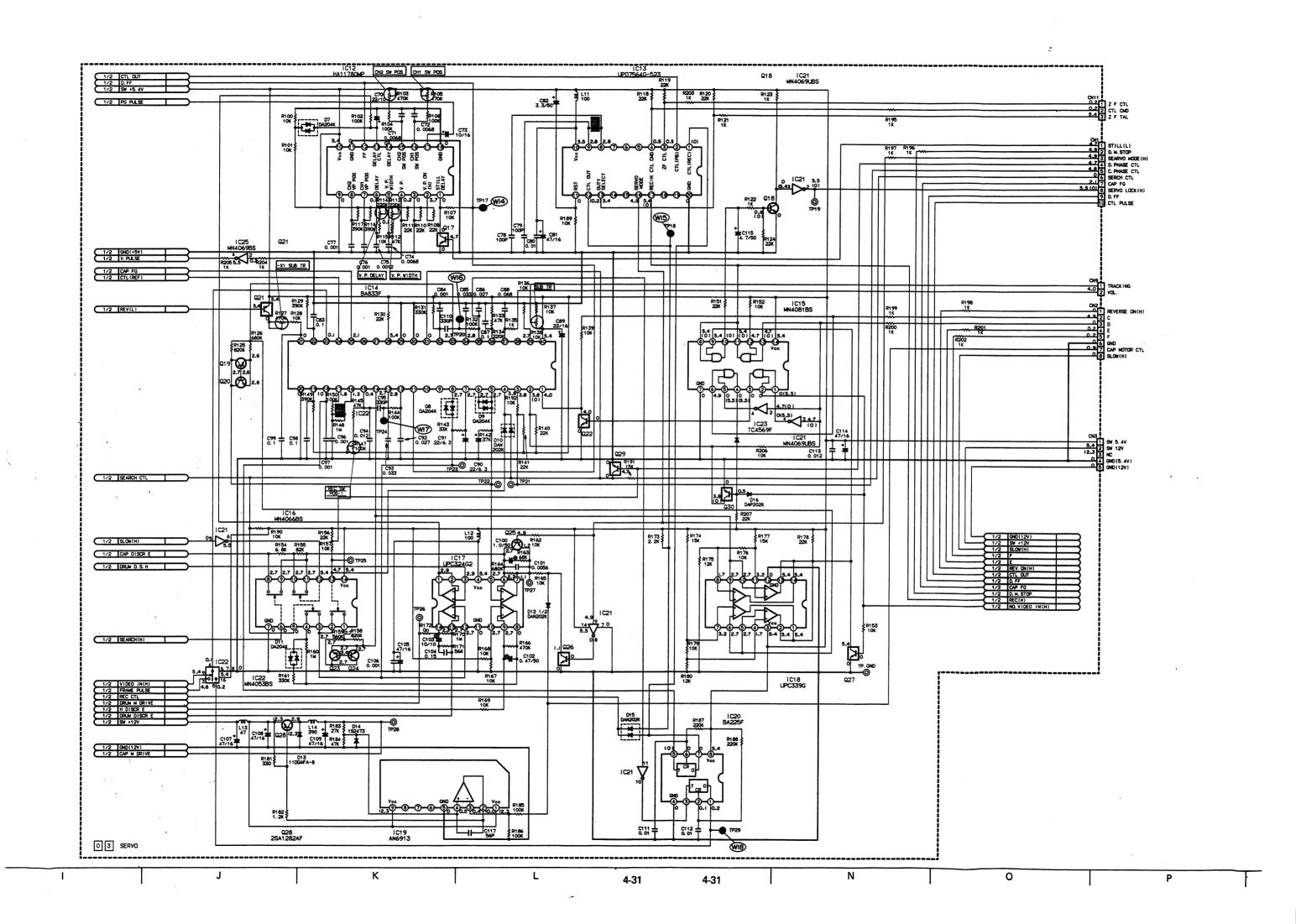
G

Shaded () parts are critical for safety.
 Replace only with specified part numbers.



4-30

4-30

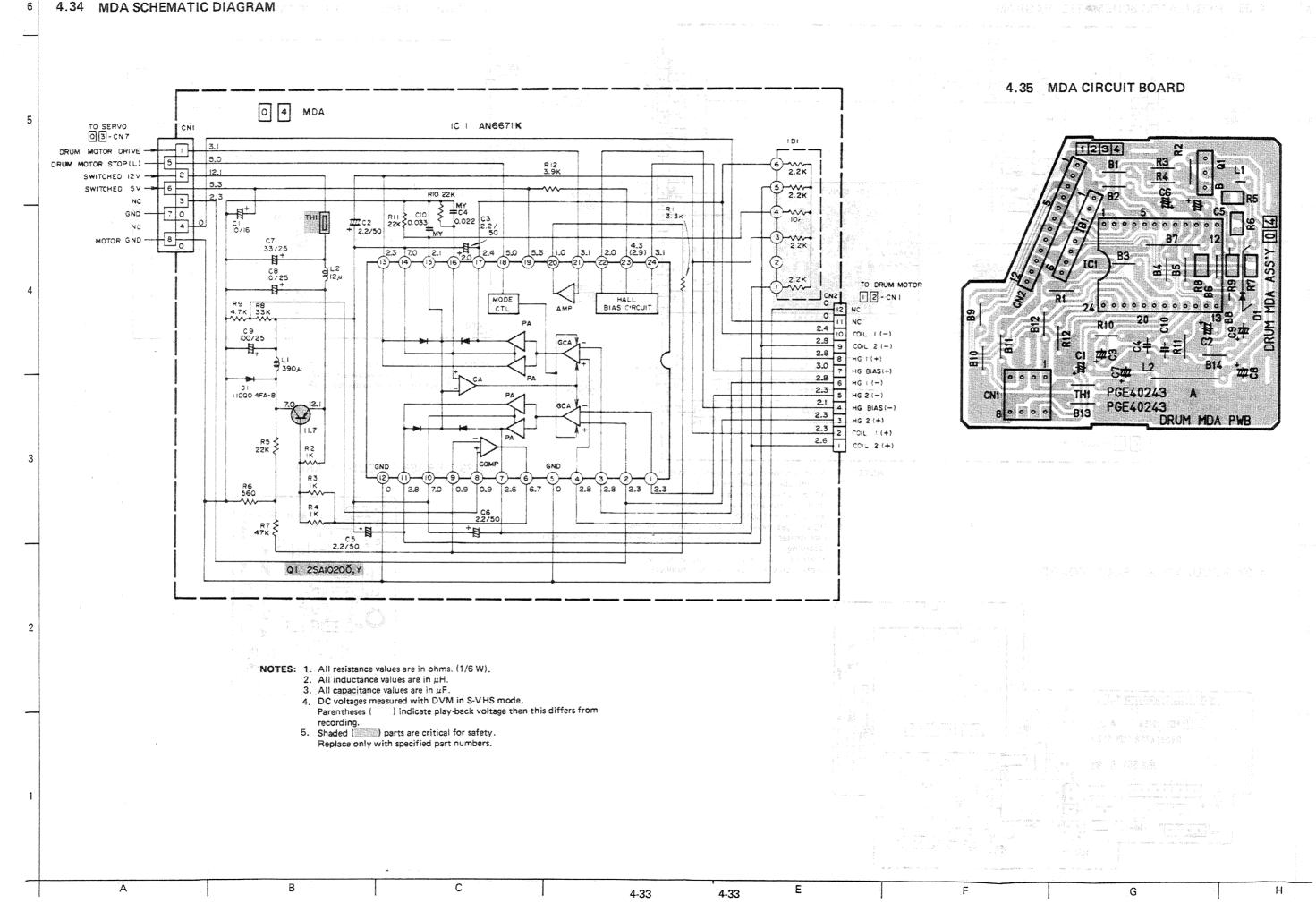


4-32

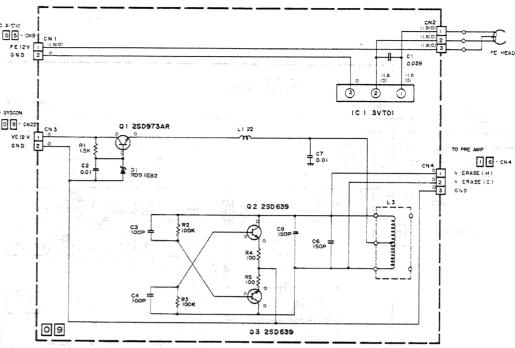
4-32

PGE10096 A-OI SERVO PWB ASSY

5.1 Vp-p/25 Hz

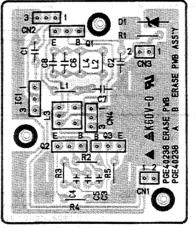


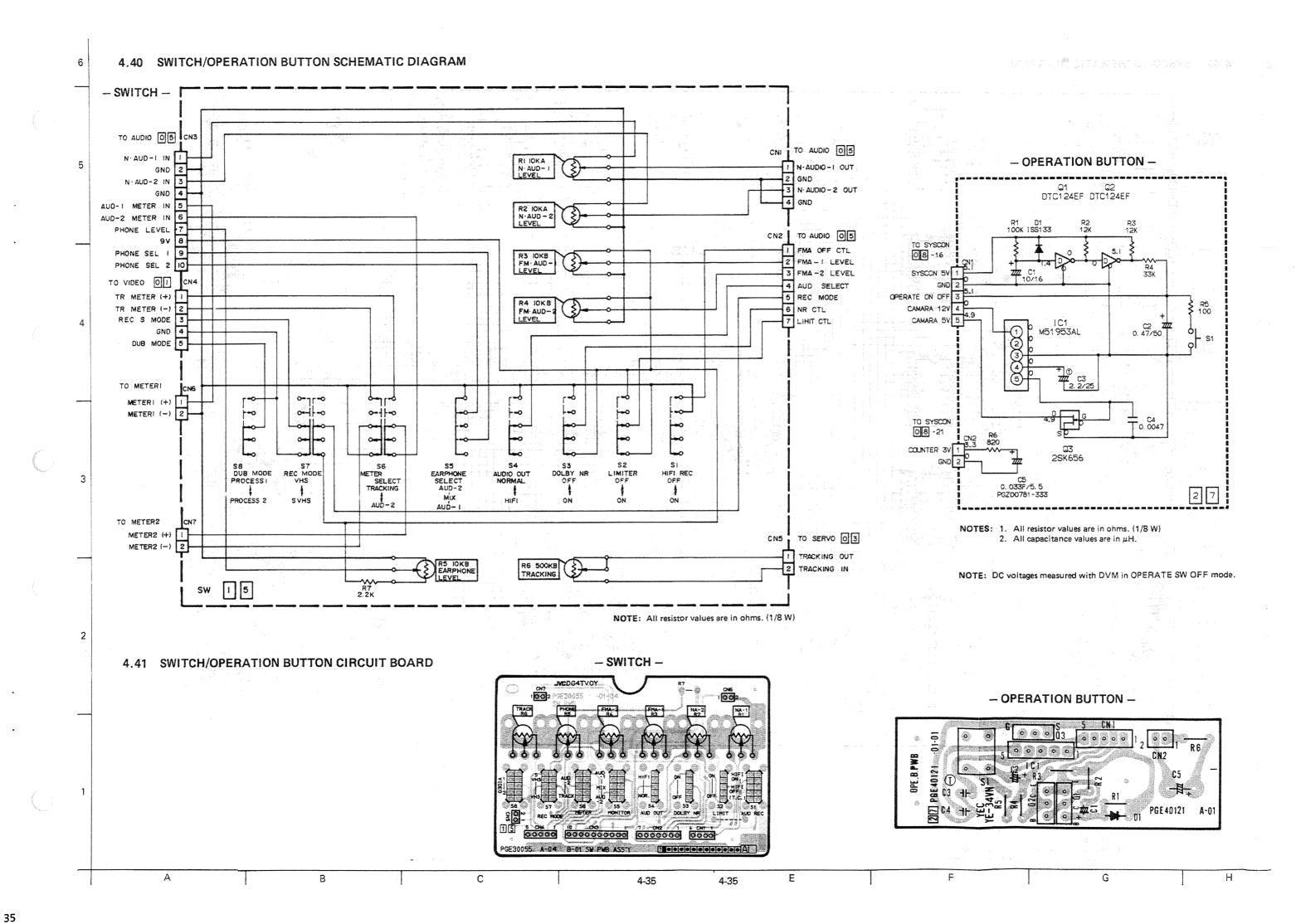
4.36 REGULATOR SCHEMATIC DIAGRAM 4.38 ERASE SCHEMATIC DIAGRAM TO FUSE 25 4 +12V TO 4:000 05 - 009 c, 4.8 1 SW +5.4V 0 2 GND 9.0 3 SW +9.2V FROM MAIN SW 26 FE 12V 1 12. 5 SW +12V 12-46 ALL +12V 7 G N D 8 POWER ON CTL 9 POWER OFF CTL □ 8 - CN22 CN 3 Q! 2SD973AR 2 N D: REG ((DC/DC CONV.) CAMERA +12V 4 12.2 CAMERA +12V 3 0 ~~P20 TO SOPIN CONNECTOR -[ICP] GND ICP 2 CN 4 5.1 SW +5.4V 0 2 GN D 9.3 SW +9.2V GN D ICP-F38 ICP-F38 TO COLOR FM TEST (8 0 1 - CN 3 GND (6) 5.3 1 SW +5.4V 9.2 GN D 9.2 3 SW +9.2V 4 GN D NOTES: 1. All resistance values are in ohms. (1/6 W). 2. All inductance values are in μF. All capacitance values are in μF. BATT SND 3 0 5 - CN II BATT GND 4 0 7 REGULATOR 4.39 ERASE CIRCUIT BOARD NOTES: 1. All resistance values are in ohms. (1/6 W) 2. All inductance values are in μH. 3. All capacitance values are in µF. 4. NPN type transistors are 2SC1545AB. 5. All diodes are 1SS133. 6. DC voltages measured with DVM in S-VHS mode. Parentheses () indicate play-back voltage then this differs from recording. 7. Shaded () parts are critical for safety. 4.37 REGULATOR CIRCUIT BOARD Replace only with specified part numbers. 0 7 PGE 30158 A REGULATOR PWB ASS'Y



Ε

4-34





4-36

4-36

Ε

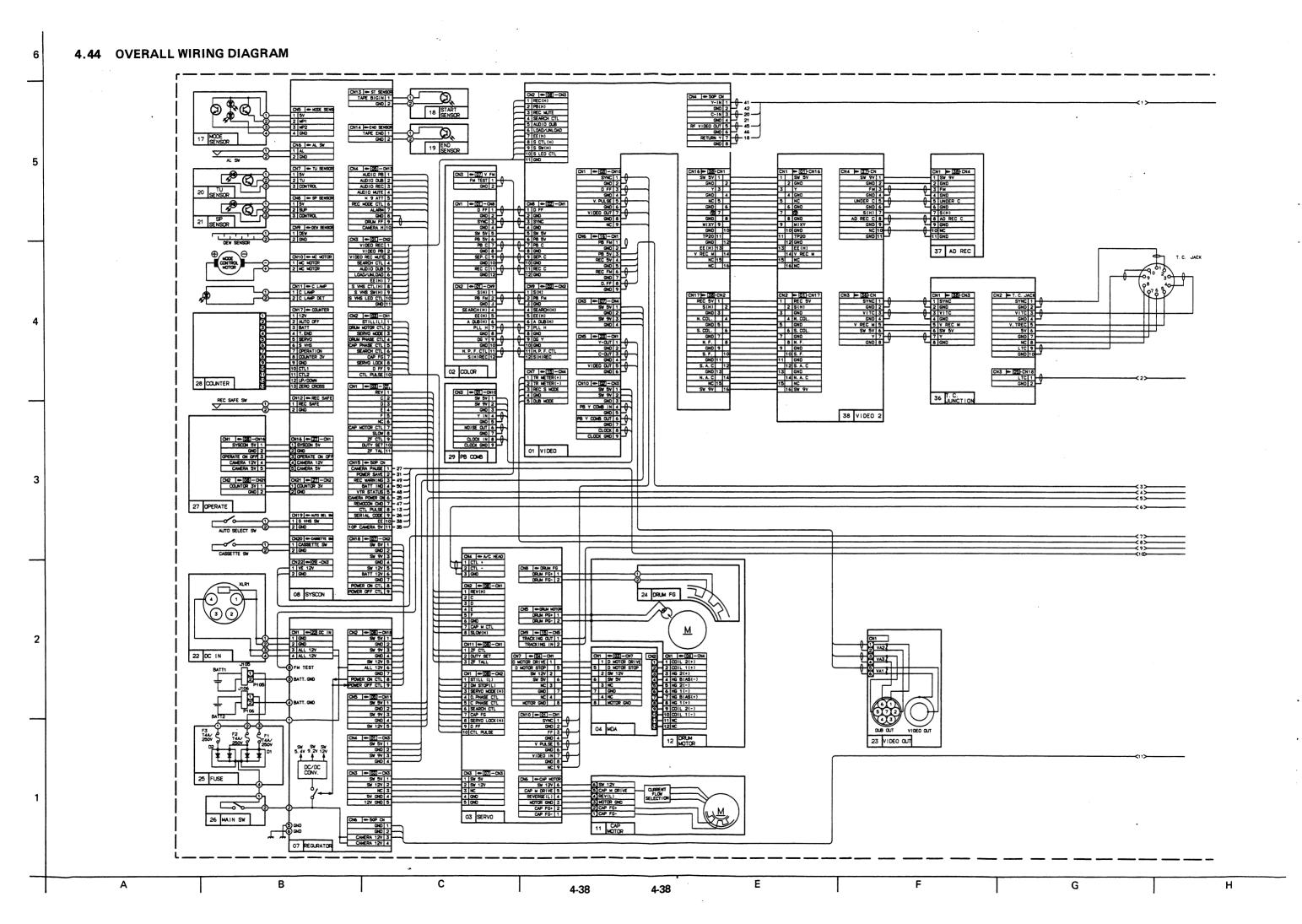
Replace only with specified part numbers.

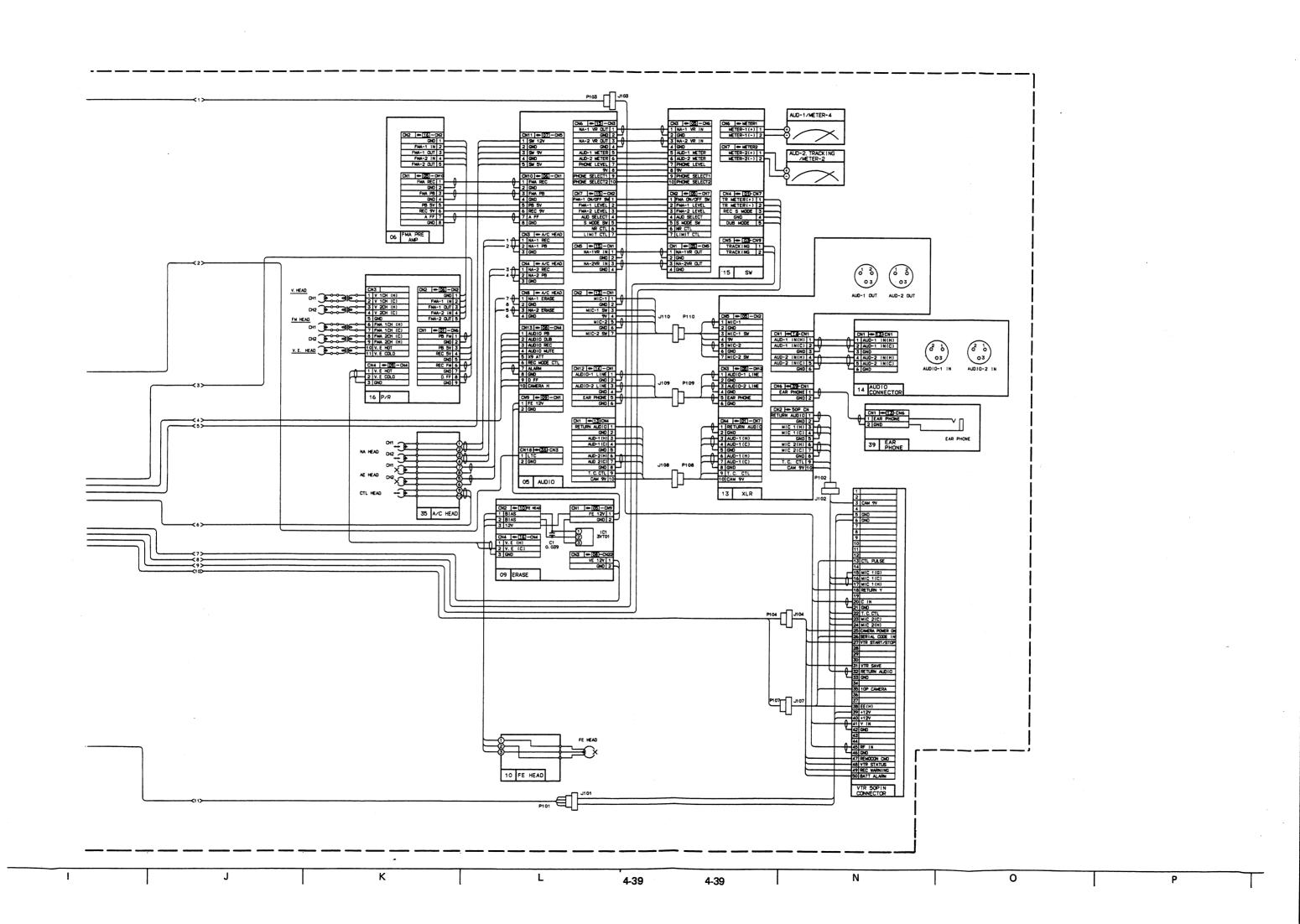
С

G

O B SYSCON PWB ASS'Y PGE20209B-03 SYSCON PWB PGE20209

MAROMO DVINING LIAPENO NA





4.45 OTHER CIRCUIT BOARDS

- F.E. HEAD 1 0 -



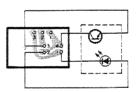
- START SENSOR 18 -



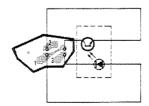
- END SENSOR 19 -



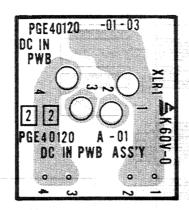
- TAKE-UP SENSOR 20 -



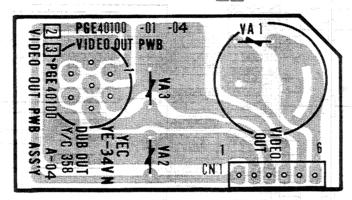
- SUPPLY SENSOR 21 -



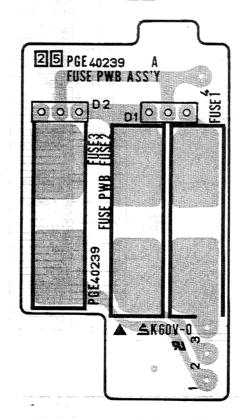
- DCIN 22 -



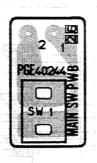
- VIDEO OUTPUT 23 -



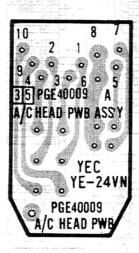
- FUSE 2 5 -



- MAIN SWITCH 26 -



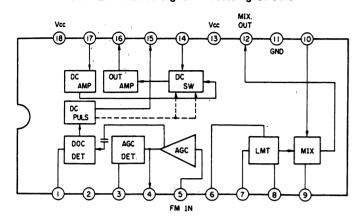
- A/C HEAD 35 -



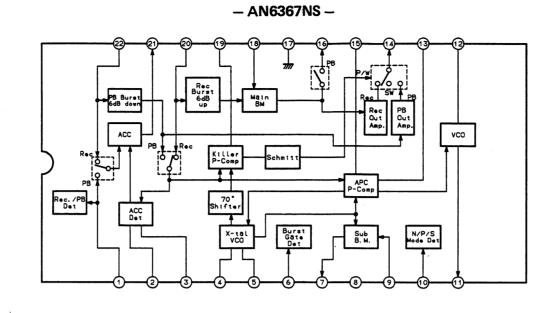


- AN6393 -

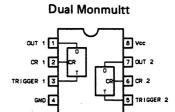
VTR Luminance Signal Processing Circuit



-BA6109 -Reverstble Motor Driver

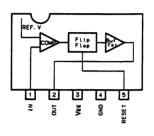






- BA634F -





- BA401 -

FM-IF Differential Amplifier

Input

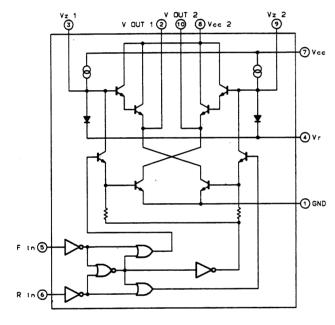
BA401

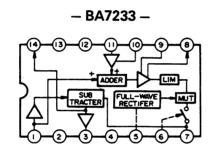
-**⑤** ∨∝ Output

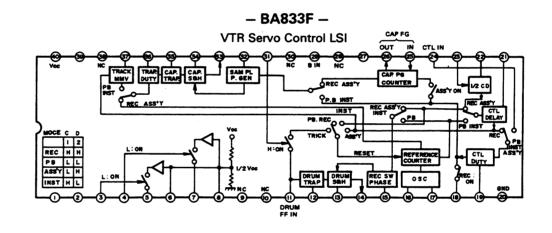
-2 BIAS

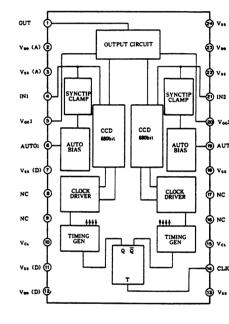
-3 GND





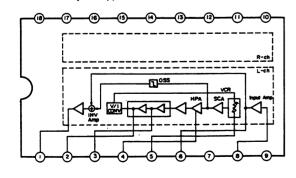


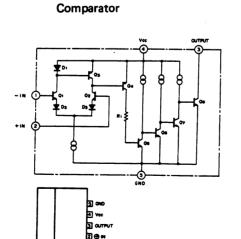




- HA12047MS -

Dolby-B Type Noise Reduction System

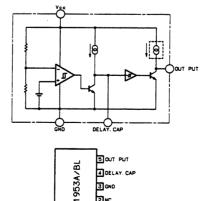




- M51204TL -



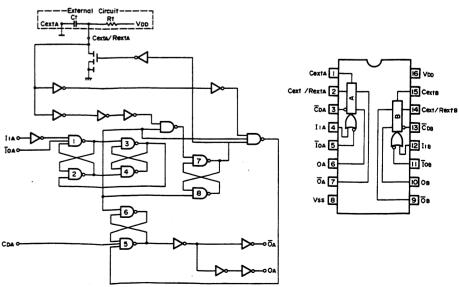




- M51953A -

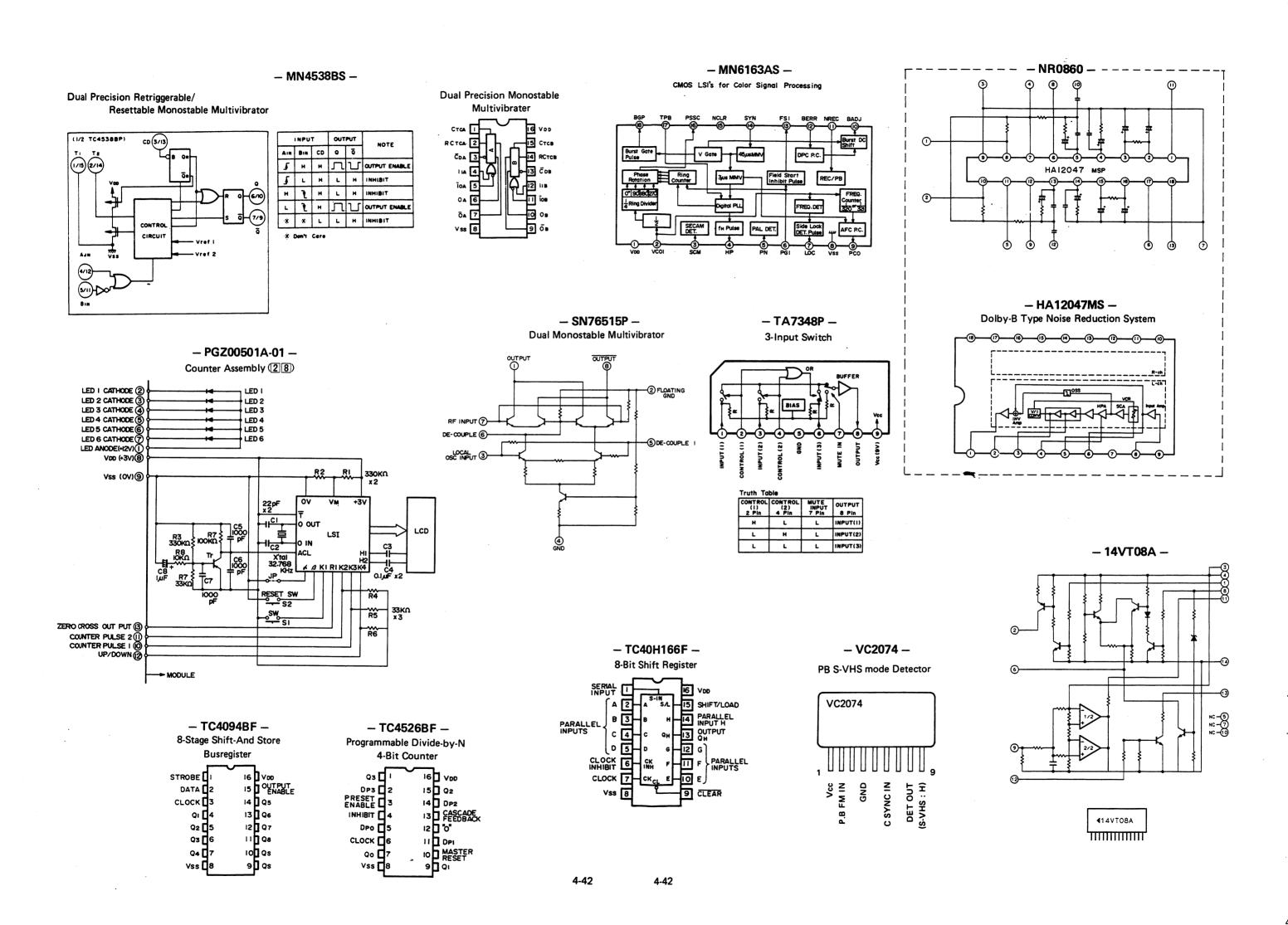
- MN4528B/MN4528BS -

Double Bananced Mixer



4-41

4-41



SECTION 5 EXPLODED VIEWS AND PARTS LIST

SAFETY PRECAUTION

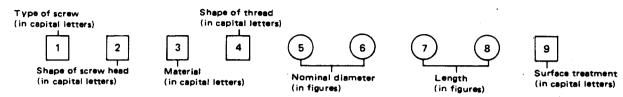
Parts identified by the \triangle symbol are critical for safety. Replace only with specified part numbers.

	\cdot	Page
5.1 STA	NDARD PART NUMBER CODING	
5.1.1	Screw coding	5 - 2
5.1.2	Fuse coding	5 - 3
5.2 EXP	LODED VIEWS AND PARTS LIST	
5.2.1	Packing assembly	5 - 4
5.2.2	Cabinet assembly	5 - 6
5.2.3	Frame assembly	5 - 8
5.2.4	Main-deck (1) assembly	5-10
5.2.5	Main-deck (2) assembly	5-12
5.2.6	Battery holder assembly	5-14
5.2.6	Battery noider assembly	5-1

5.1 STANDARD PART NUMBER CODING

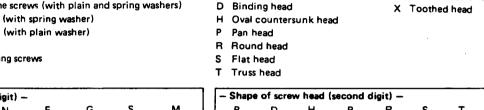
5.1.1 Screw coding

Standard screw part numbers are as follows.



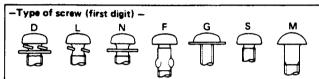
Type of screw (first digit)

- S Normal screws
- D Assembled machine screws (with plain and spring washers)
- L N
- F Feather screws
- G Washer head tapping screws
- M Wood screws



B Brazier head

Shape of screw head (second digit)



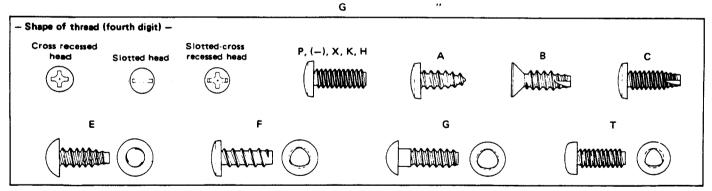
Material (third digit)

- S Steel
- Nickel silver
- Stainless steel Cast iron
- Cast brass Aluminum
- U Copper
- 7 Zinc alloy
- B Brass
- Polycarbonate
- Phosphor bronze

Shape of thread (fourth digit) P Cross recessed head screws (-) Slotted head machine screws X Slotted-cross recessed head machine screws Cross recessed head machine screws for precision equipment (type 1) н (type 3) Α Cross recessed head tapping screws (type 1) В (type 2) С (type 3) E Cross recessed head special tapping screws (brand : evertight) (brand : P-tight) Τ (brand : taptight)

W Washer head (machine screws)

Lenath



Nominal diameter (fifth and sixth digits)

The fifth and sixth digits are numbers indicating a nominal diameter or dimension. If the dimension exceeds 10 mm, three digits are used. The number indicates a nominal diameter or dimension, given in millimeters, multiplied by ten.

Length (seventh and eighth digits)

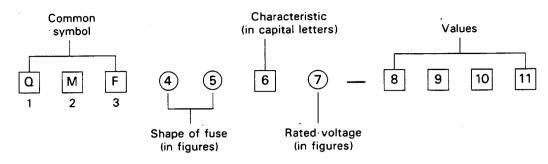
The seventh and eighth digits are numbers indicating length in milimeters. The preceding figure is zero when the dimension is smaller than 10 mm. For machine screws used in precision equipment whose length is given in units of 0.1 mm, the number indicates ten times the size of their length.

Surface treatment (ninth digit)

- Z Dichromate treatment after galvanizing (MFZn II-C)
- N Nickel plating (MFNi II, MFNi I)
- Chromium plating (MBCr II, MBCr I)
- G Silver plating (SP4)
- Black coating after plating
- Blackening of iron (FB)
- Blackening after galvanizing
- Pickling of brass (PF2)
- Phosphate treatment
- W Uni-chrome plating
- Coating with transparent paint
- Coloring red after galvanizing (MFZn II-C)
- C Coloring blue after galvanizing (MFZn II-C)
- Coloring green after galvanizing (MFZn II-C)
- V Coloring purple after galvanizing (MFZn II-C)

5.1.2 Fuse coding

Standard fuse part numbers are as follows.

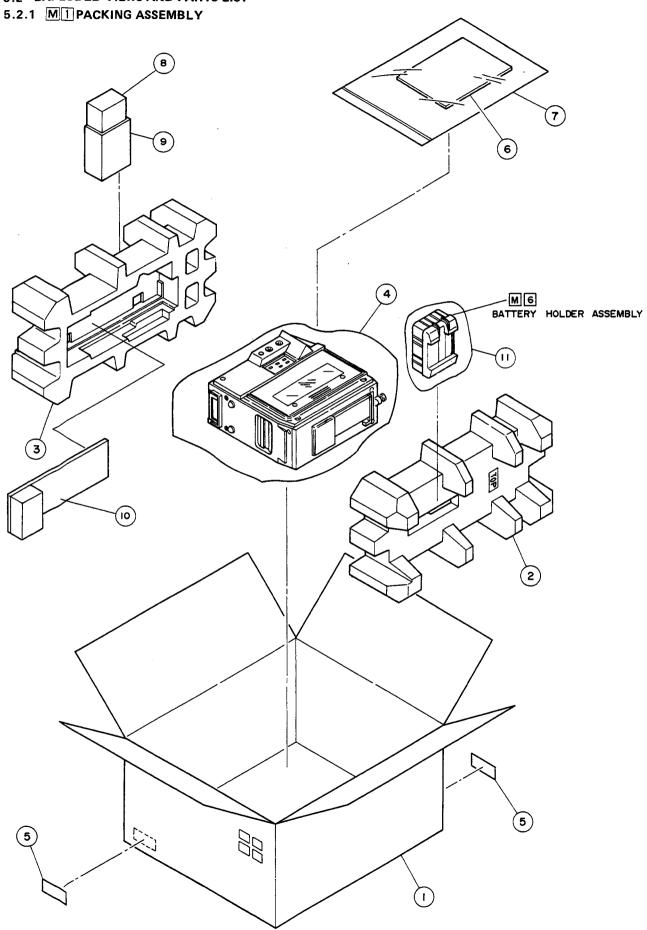


Shape of fuse (fourth and fifth digits)		Rated voltage (seventh digit)		Values (eighth-tenth or eleventh digits)	
60	φ6.4 × 30 mm	2	AC250 V	R63 0.63 A	
61	ϕ 6.35×31.8 mm	3	0.1-1 A: AC250 V	1R0 1.0 A	
63	φ6.4 × 30 mm with lead wires		1.25-6.3 A: AC125 V	2R5 2.5 A	
66	$\phi 6.35 \times 31.8$ mm with lead wires			100 10 A	
00	Special type			R315 0.315 A	
	-F			1025 125 Δ	

Characteristics (sixth digit)

Characteristics	(sixth digit)			
Symbol	Fusing Current	Fusing Time	Remarks	
	210 %	Within 2 min.		
	275 %	0.6 - 10 sec.	Anti-much tune (for Europe)	
. А	400 %	0.15 - 3 sec.	Anti-rush type (for Europe)	
	1000 %	0.02 - 0.3 sec.]	
	210 %	Within 30 min.	S. 1. 6. (11. A	
В	275 %	~0.05 - 2 sec.	Regular fusible type (for SEMKO, Europe)	
	400 %	0.01 - 0.3 sec.	(10) Selvinos, Ediopos	
	135 %	Within 1 hr.	Decides fusible time (for III Jopen)	
С	200 %	Within 2 min.	Regular fusible type (for UL, Japan)	
	210 %	Within 2 min.		
_	275 %	0.6 - 10 sec.	Anti-rush type (for Europe)	
E	400 %	0.15 - 3 sec.		
	1000 %	0.02 - 0.3 sec.		
	135 %	Within 1 hr.	Anti-much tuno	
J	200 % Wit	Within 2 min.	Anti-rush type	
	135 %	Within 1 hr.	Regular fusible type (for UL)	
M	200 %	Within 2 min.	Hegular rusible type (10/ 02)	
Б	160 %	Within 1 hr.	Regular fusible type	
R	200 %	Within 2 min.	negular fusible type	
	160 %	Within 1 hr.		
S	200 %	Within 2 min.	Anti-rush type	
	700 % - 2000 %	Within 0.01 sec.		
	135 %	Within 1 hr.		
υ	200 %	Within 2 min.	Anti-rush type (for UL)	
	800 % - 2000 %	Within 0.01 sec.		

5.2 EXPLODED VIEWS AND PARTS LIST



#A REF NO. PART NO.	PART NAME, DESCRIPTION
************	************

1	PGD20177-07-09	PACKING CASE
2	PRD20217	CUSHION(L)
3	PRD20218	CUSHION(R)
4	PUM30021-26	POLY BAG
5	PUP40619	SERIAL NO. STICKER, X2
6	PGD30002-160	INSTRUCTIONS
7	QPGB024-03404	POLY BAG
8	PGZ00830-01-01	BATTERY
9	PGD41133	SHEET
10	PRD20190-01-02	CUSHION PLATE
		•
11	QPGA017-02505	POLY BAG

When shipped from factory the switches and VR's are set as shown below tables.

REAR COVER		FRONT COVER	
SWITCH		AUDIO INPUT SWITCH	
Hi-Fi REC AUDIO LIMITER DOLBY NR AUDIO OUT AUDIO MONITOR METER SELECT REC MODE VIDEO OUT	ON ON ON HiFi MIX AUD-2(R) S-VHS PROCESS-1	AUD-1(L) SELECT AUD-2(R) SELECT AUD-1(L) LEVEL AUD-2(R) LEVEL AUDIO OUT PUT LEVEL	LINE LINE -60dB -60dB
VR			
AUD REC LEVEL MONITOR LEVEL TRACKING	CENTER CENTER CENTER		



# REF NO.	PART NO.	PART NAME, DESCRIPTION
5 5A	PGD20182A-03 PGD30404-01-01	SIDE COVER ASSY (LEFT)
58 5C	PGD40772 SSSF2606M	SCREW, X6
-	PGD40773	PLATE
5E	SSSP2606M	SCREW, X2
<u> </u>	PGD30030-02	SCREW, X3
<u>^</u> 7 8	SDSP3014M PGD20169A	SCREW SIDE COVER ASSY (RIGHT)
8A	SC30988-003	CAMERA GUIDE
8B	SDSP3006M	SCREW, X2
9	ML-G00451B	50PIN CONNECTOR WIRE SCREW, X2
10 <u>1</u> 11	LPSP2006Z PGD30030-02	SCREW, X2
<u>^</u> 12	SDSP3014M	SCREW, X2
13		FRONT COVER ASSY
△ 14		SCREW, X4 XLR CONNECTOR, X2
15 16	PGZ00927 SPSP2606N	SCREW, X4
17	PRD20133G-04	CASSETTE COVER ASSY
/ ₹ 17A	PGD10119-07-09	CASSETTE COVER
	PRD42279-02	CASSETTE PLATE SCREW, X2
17C 17D	SBSF2006Z PRD30469	DUST GUARD
	PGD30030	SCREW, X2
19		REAR COVER ASSY
19A 19B	PGD40765-01-02 PGD40727-02	CUSHION, X2
	PUM30025-2	MARK
19D	PGD40745-03	SHEET (B)
19E	PGD30402	PAD Spring plate
19F 19G	PGD40746-02 LPSP2604Z	SCREW, X2
	PGD40747	FUNCTION BUTTON(OPERATE)
19J	SDSP2606Z	SCREW, X2
19K 19L	PGD40748 PU49485-3	COUNTER BUTTON WIRE CLAMP
19M	PGD20181	COVER
	PGD40726-02	SHAFT
<u>^</u> 20	PGD30030	SCREW, X4
21	PGD40750-02	VR KNOB, X6
22	PGZ00283-04	METER(AUD-1 <l>) METER(AUD-2<r>/TRACKING)</r></l>
23 24	PGZ00283-05 PGD40751	METER PLATE
25	PU52465-02	CUSHION (A), X2
26	SDSP2606Z	SCREW, X3
27 28	SDSP2606Z PGZ00501B	SCREW, X3 COUNTER ASSY
29	SDSP2606Z	SCREW, X4
30	SDSP2606Z	SCREW, X4
31	PGD40810	SWITCH PROTECTOR
32	SDSP2604M	SCREW
<u>∧</u> 33	TJL-000420	STICKER Label
<u>1</u> 34 135	PGD40895-02 PU49729	LABEL
36	PGD40887	LABEL
△ 37	PRD30071-03	SERIAL NO. PLATE
38 39	PGD41198 SDSP2604M	PLATE SCREW, X2
40	PRD42699	SHADE
41	PGJ05027	BATTERY CONNECTOR
42	PRD42601	SLIDE KNOB, X5
43	SDSP2606Z	SCREW, X4
44 45	SPSP2606N PGZ01280	SCREW, X4 DUST CAP
79	. 0201200	

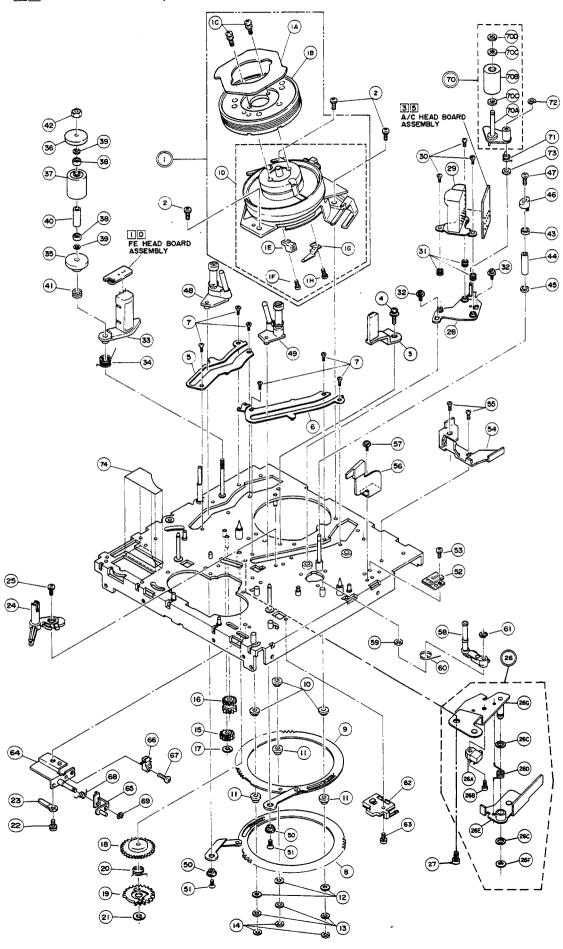
5.2.3 M3 Frame assembly 36 VITC JUNC BOARD **(4)** 32 54 VIDEO PRE AMP BOARD ASSEMBLY M4 M5 MAIN DECK ASSEMBLY 25 (24) 0 6 FM AUDIO PRE AMP O3 SERVO BOARD FULL ERASE BOARD ASSEMBL (15) 33 19 END SENSOR BOARD ASSEMBLY (18) 37 AD REC BOARD ASSEMBLY 18 START SENSOR BOARD ASSEMBLY (27) B B B B B SYSCON BOARD ASSEMBLY 39 VIDEO BOARD 0 7 REGULATOR BOARD ASSEMBLY 60) O 2 COLOR BOARD 32 COLOR SUB BOARD ASSEMBLY 62 66

#A REF NO. PART NO. PART NAME, DESCRIPTION

	1	SSSP3012Z	SCREW, X2
	2	SSSP3006Z	SCREW
	3	LPSP3005Z	SCREW, X2
	4	PGS20168C	CASSETTE HOUSING ASSY
	4A	PQM30001-166	TORSION SPRING(L)
		PQM30.001-167	· · · · · · · · · · · · · · · · · · ·
	4B	-	TORSION SPRING(R)
	4C	PQM30017-1	SLIT WASHER
	4D	PQ41036	DUMP GEAR
	4E	REE-1500	E WASHER
	4F	PU56781	DAMPER
	4 G	LPSP2006Z	SCREW
	4H	PQM30001-177	TENSION SPRING, X2
	4J	PGD30409A-02	DETECT SWITCH ASSY
	4K	LPSP2606Z	SCREW, X2
	5	SBSF2606Z	SCREW, X3
	6	SPST2606Z	SCREW
	7	SBSF2606Z	SCREW, X3
	8	SPSP2610Z	SCREW
	9	DPSP2605Z	SCREW, X2
	10	SSSP2605Z	SCREW, X2
	10	333F28092	SCREW, AZ
	11	DPSP2605Z	SCREW, X2
	12	PGD40725	STOPPER
	13	SBSF2606Z	SCREW
	14	DPSP2605Z	SCREW
	15	PGD40767	CONNECTOR BRACKET
	16	PGD40774-02	SHEET (C)
	17	PGZ00593	7PIN CONNECTOR, Y/C 443 OUT
	18	PU51213	BNC CONNECTOR, VIDEO OUT
	19	PU48611	RING
	20	Q03093-439	WASHER
ΔÀ	21	PGZ00594	4PIN CONNECTOR, DC IN
	22	SPSP2604R	SCREW, X2
	23	PGD41232	INSULATOR
	24	PRD30451	BOARD BRACKET
	25	SBSF2608Z	SCREW, X3
	26	SBSF2606Z	SCREW, X3
	27	PGD40924A	POWER UNIT ASSY
	27A	DPSP2610Z	SCREW, X2
	27B	SDSP2606Z	SCREW
	28	SSSP2605Z	SCREW
	29	PGD10113-01-06	FRAME
	30	PGD40716	CORNER BRACKET(1)
	30	F GD40716	CORNER BRACKET(1)
	31	PGD40717	CORNER BRACKET(2)
	32	PGD41179	CONNER BRACKET
	33	PGD41177	CORNER BRACKET(4), X2
			CORNER BRACKET(5)
	34	PGD40720 PGD40721	CORNER BRACKET(6)
	35		
	36	PGD40722	CORNER BRACKET(7)
	37	SPST2606Z	SCREW, X12
	38	PGD40723-01-01	BOARD BRACKET(1), X2
	39	PGD40724-01-01	BOARD BRACKET(2), X2
	40	SSSP2605Z	SCREW, X4

#A REF NO.	PART NO.	PART NAME, DESCRIPTION
41	PGD40725	STOPPER
42		SCREW
· -		REC SAFETY SWITCH ASSY
	PU49485-2	
	PU49486	WIRE CLAMP
46		PLASTIC RIVET, X2
	PQ41253	SHEET, X2
48		SCREW, X2
· -		SCREW
50	SPST2606Z	SCREW
50	3, 3, 13331	
51	PGD40889	SHEET
52	LPSP3006Z	ASSY SCREW, X3
53	PGD40949	SHEET
54	ML-G00710A-02	10PIN ASSY WIRE
55	SBSF2606Z	SCREW, X4
56	PGD41180	SHEET
57	SBSF2606Z	SCREW, X3
58	SDSP2610Z	SCREW
59	WBS2600N	WASHER
60	PGD40782A	BRACKET ASSY (F)
61	PGD40784A	BRACKET ASSY (R)
62	SPSP2606Z	SCREW, X2
63	QMF51E2-4R0	FUSE, F1
64	QMF51E2-4R0	FUSE, F2
65	QMF51E2-4R0	FUSE, F3
66	PGD40935	SPACER

5.2.4 Main-deck (1) assembly

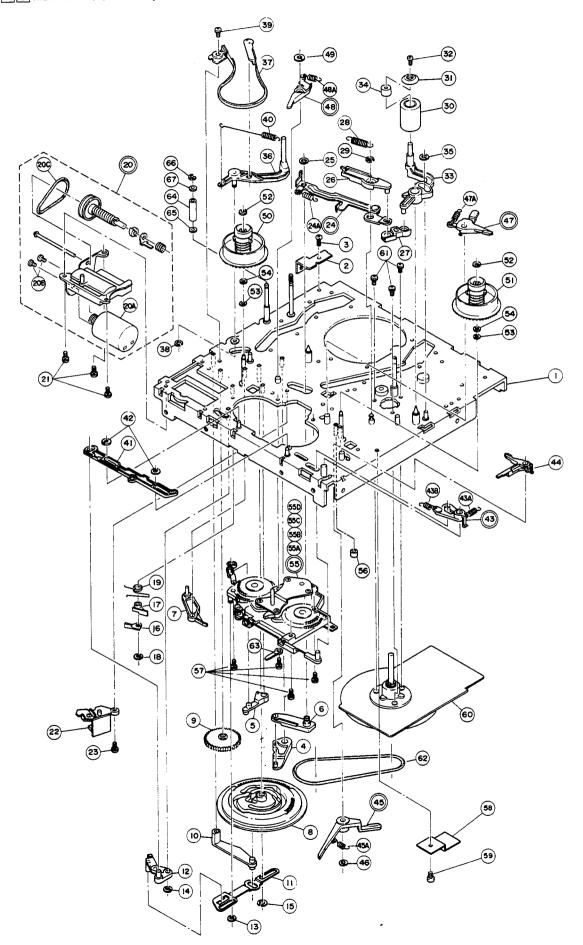


#A REF NO. PART NO. PART NAME, DESCRIPTION

1	PDV2158D	DRUM ASSY
ĪA	PDM3247	UPPER DRUM BOARD
1B	PDM2140B	UPPER DRUM ASSY
1C	PDM4165A	DRUM SCREW ASSEMBLY, X2
10	PDM2078D	LOWER DRUM MOTOR ASSY
1E	PQ40352K	PICKUP HEAD ASSY
1F	SPSH1735Z	MINI SCREW
1 G	PU56798-3	BRUSH ASSY
1H	LPSP2003Z	SCREW
2	LPSP2608Z	SCREW, X3
3	PRD30287-01-03	TAPE GUIDE
4	SDSP2606Z	SCREW
5	PQ30264	GUIDE RAIL(S)
6	PQ30265	GUIDE RAIL(T)
7	PQ41269-2	SPECIAL SCREW, X6
8	PQ40812A-1	LOADING RING ASSY
9	PQ40816A-1	LOADING RING ASSY
10	PQ40819-1-2	GUIDE ROLLER 1, X3
	1410017 1 2	OUIDE NOTITE TO NO
11	PQ40820-1-2	GUIDE ROLLER 2, X3
12	PQM30005-40	COLLAR, X3
13	Q03093-827	SPACER, X3
14	PQM30017-22	SLIT WASHER, X3
	- 1	·
15	PQ40822	CONNECT GEAR 1
16	PQ40823	CONNECT GEAR 2
17	PQM30017-24	SLIT WASHER
18	PQ30336	LOADING GEAR 1
19	PQ30337	LOADING GEAR 2
20	PQ41069	TORSION SPRING
21	PQM30017-18	SLIT WASHER
22	LPSP2604Z	SCREW
23	PU49485-3	WIRE CLAMP
24	PGS30044A	CASSETTE LED ASSY
25	LPSP2606Z	SCREW
26	PGS30103A	AL SWITCH ASSY
26A	PGZ00503	INSERT SWITCH
26B	SPSP2006Z	SCREW
26C	Q03093-831	WASHER, X2
26D	PRD42600	TORSION SPRING
26E	PRD42599A	AL SWITCH LEVER ASSY
26F	REE2000	"E"RING
26G	PRD42595A	AL SWITCH BRACKET ASSY
27	DPSP2604Z	SCREW
28	PRD42270A	HEAD BASE ASSY
29	PGZ00588	A/C HEAD ASSY
30	PQ43687A	SCREW, X3
71	DUZ0000 40	CDDING V7
31	PU30080-49	SPRING, X3
32	DPSP3007Z	SCREW, X2
33	PQ40865A	FE HEAD ASSY
34	PQ40871	TORSION SPRING
35	PRD42175	LOWER FLANGE
36	PRD42183	UPPER FLANGE
37	PRD42129	IMPEDANCE ROLLER

#A REF NO.	PART NO.	PART NAME, DESCRIPTION
38	PU44093	BALL BEARING, X2
39	Q03093-825	WASHER, X2
40	PRD30026-07	COLLAR
41	PQM30002-124	COMPRESSION SPRING
42	PQ40353	NYLON NUT
43	PQ40268-2	GUIDE FLANGE
44	PU53629-2	TAKE-UP GUIDE POLE
45	PQ41348-2	GUIDE FLANGE(TAKE-UP)
46	PQ42999-2-1	GUIDE POLE CAP
47	SDSP2006Z	SCREW
48	PRD42474A-01	POLE BASE ASSY(SUPPLY)
49	PRD42473A-01	POLE BASE ASSY(TAKE-UP)
50	PQ40872	SPACER, X2
51	PQ41269	SPECIAL SCREW, X2
52	PU56637B	DEW SENSOR ASSY
53	LPSP2604Z	SCREW
54	PRD42273	BOARD HOLDER
55	SSSP2605Z	SCREW, X2
56	PQ40873A	DOOR GUIDE ASSY
57	LPSP2605Z	SCREW
58	PQ40993B	TAKE-UP GUIDE ASSY
59	PQM30018-33	WASHER
60	PQ40994-1-2	TORSION SPRING
61	REE2500	E WASHER
62	PGS40032A	TAKE-UP SENSOR ASSY
63	LPSP2606Z	SCREW
64	PRD42107A	SWITCH BRACKET ASSY
65	PRD42105A	SWITCH LEVER ASSY
66	PGZ00503	INSERT SWITCH
67	SPSP2006Z	SCREW
68	PRD42110	TORSION SPRING
69 70	REE1500	E WASHER
70 704	PRD42434A-01	IMPEDANCE ROLLER ASSY IMPEDANCE ROLLER ARM ASSY
70A	PRD42271A-01	IMPEDANCE RULLER ARM ASSY IMPEDANCE ROLLER ASSY
70B 70C	PRD42324A-01 Q03093-830	WASHER, X2
70D	PQM30017-7	SLIT WASHER
, 00	1 MU20011-1	SELI WMSHER
71	PRD42275	TORSION SPRING
72	REE1500	E WASHER
73	Q03093-830	WASHER
74	PRD42816	COVER

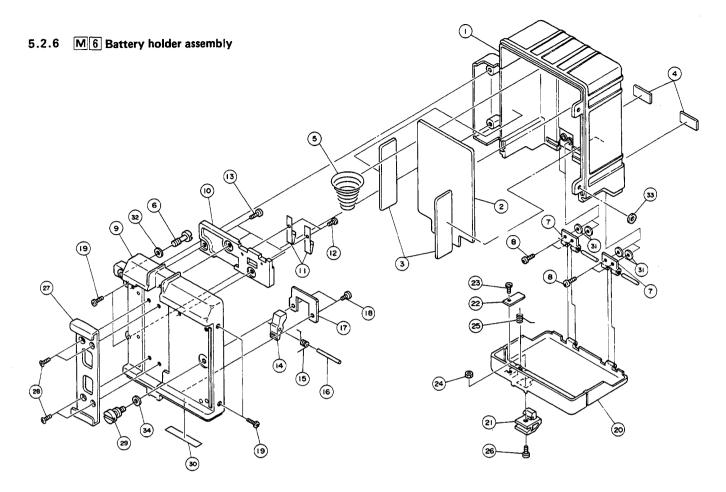
5.2.5 M 5 Main-deck (2) assembly



#A REF NO. PART NO. PART NAME, DESCRIPTION

1 2 3 4 5 6 7 8 9 10	PRD10041A-03 PGD40714-01-02 LPSP2606Z PQ40826 PQ40827 PQ40828A PRD42569A PRD20207 PQ40833 PQ40834A	
11 12 13 14 15 16 17 18 19 19 19 20 20A 20B 20C	PQ40836-1-2 PQ40837B PQM30017-22 PQM30017-23 REE2500 PQ41225-1-2 PQ41226 PQM30017-23 PQ41252-2-2 PGZ00780-01-01 PU56592V SPSP2004Z PQM30003-15	SLIDE PLATE RELAY LEVER ASSY SLIT WASHER SLIT WASHER E WASHER CAM BRAKE 1 CAM BRAKE 2 SLIT WASHER TORSION SPRING MODE MOTOR BRACKET ASSY MODE MOTOR ASSY SCREW, X2 BELT (MODE CONTROL)
21 22 23 24 24A 25 26 27 28 29 30	LPSP2605Z PGS30043A LPSP2606Z PQ30267B PQM30001-153 PQM30017-23 PQ40843 PQ40844 PQ41124-1-1 REE2500 PQ41125A	SCREW, X3 MODE SENSOR ASSY SCREW PINCH ROLLER PLATE ASSY TENSION SPRING SLIT WASHER TOGGLE ARM 1 TOGGLE ARM 2 TENSION SPRING E WASHER PINCH ROLLER ASSY
31 32 33 34 35 36 37 38 39 40	PU53878 SPSP2005Z PQ40845A-2 PQM30005-39 PQM30017-22 PRD42146A PQ40851A REE2000 LPSP2606Z PRD42523	PINCH ROLLER CAP SCREW PINCH ROLLER ARM SUB ASSY COLLAR SLIT WASHER TENSION POLE ASSY TENSION BAND ASSY E WASHER SCREW TENSION SPRING
41 42 43 43A 43B 44 45 45A	PQ30269-1-5 PQM30017-22 PRD42422A PQM30001-156 PQM30001-157 PQ40858B PQ30270A-1 PQM30001-158 PQM300017-23	CONTROL PLATE SLIT WASHER, X2 EJECT LEVER ASSY TENSION SPRING TENSION SPRING SEARCH BRAKE ASSY CAPSTAN BRAKE ASSY TENSION SPRING SLIT WASHER

#A REF NO.	PART NO.	PART NAME, DESCRIPTION
47	PQ40860A-2	REW BRAKE ASSY
47A	PQM30001-159-5	TENSION SPRING
48	PQ40862A-2	FF BRAKE ASSY
48A	PQM30001-160-5	TENSION SPRING
	PQM30017-24	
50	PGZ00894-01-01	SUPPLY REEL DISK
51	PU57581	TAKE-UP REEL DISK SLIT WASHER, X2
52	PQM30017-22	SLIT WASHER, X2
	Q03093-827	
54	Q03093-834	WASHER, X2 CLUTCH MECANISM ASSY TU CLUTCH
55	PGZ01257	CLUTCH MECANISM ASSY
55A	PU56650-1-4	TU CLUTCH
55B	PGZ01258	SUP CLUTCH
55C	Q03093-827	SPACER, X3
55D	PQM30017-2	SLIT WASHER, X3 SPACER
57	LPSP2608Z	SCREW, X4
		MOTOR BRACKET. ASSY
	LPSP2604Z	
ঐ 60	PGZ00665	CAPSTAN MOTOR ASSY
61	LPSP2605Z	SCREW, X3
62	PQM30003-12	BELT(CAPSTAN)
63	PU49485-3	WIRE CLAMP
	PRD42131	
65	Q03093-829	WASHER
	REE1500	
67	Q03093-830	WASHER



- Battery holder assembly parts list -

	1	SC20357-001	BOTTOM CASE
	2		SHEET(A)
	3	SC43576-001	SHEET(B). X2
	4	SC43577-001	
	5	PGD40847-01-01	··
	6		LOCK SCREW
	7	SC43567-002	HINGE, X2
	8	SSSP2004M	SCREW, X4
	9	SC20356-001	UPPER COVER
	10	SC43565-001	TERMINAL BASE
Δ	11	SC43564-001	TERMINAL, X2
_	12	SPSK2025M	MINI SCREW, X2
	13	SSSP2006M	SCREW, X3
	14	SC43563-001	LOCK KNOB
	15	PGD40848	LOCK SPRING
	16	SC43578-001	PIN
	17	SC43572-001	PLATE
	18	SDSP2004M	SCREW, X2
	19	SDSP3006M	SCREW, X4
	20	SC31071-001	COVER
	21	SC43570-001	LOCK KNOB
	22	SC43571-001	PLATE
	23	SPSK2004M	MINI SCREW
	24	NNS2000N	NUT
	25	PGD40849	SPRING
	26	SDSP2006M	SCREW
	27	SC43562-001	SHOE
	28	SSSP3006M	SCREW, X4
	29	PGD40910	GUIDE PIN
	30	SC43695-001	LABEL
	31	WNB2600N	WASHER, X4
	32	Q03093-817	SPACER
	33	WNB3000N	WASHER
	34	Q03093-817	SPACER

SECTION 6 ELECTRICAL PARTS LIST

SAFETY PRECAUTION

Parts identified by the A symbol are critical for safety. Replace only with specified part numbers.

ABBREVIATIONS IN THIS LIST ARE AS FOLLOWS:

RESISTORS—All resistance values are in ohms (Ω) , unless otherwise indicated.

k : 1.000 (Kilo) М : 1,000,000 (Mega) Chip R : Chip Resistor

Chip VR : Chip Variable Resistor Comp. R : Composition Resistor CR : Carbon Film Resistor FR : Fusible Resistor MFR : Metal Film Resistor : Metal Plate Resistor

MPR OMR : Oxide Metal Film Resistor **PMR** : Precision Metal Film Resistor **UFR** : Unflammable Resistor

VR : Variable Resistor (Potentiometer)

WR : Wire Wound Resistor CAPACITORS-All capacitance values are in μ F, unless otherwise indicated.

ρF : uuF (Pico farad) C Cap : Caramic Capacitor Chip Cap : Chip Capacitor

Chip T Cap: Chip Tantalum Capacitor E Cap : Electrolytic Capacitor FM Cap : Film Mica Capacitor

: Low Leak Current Electrolytic Capacitor LL Cap

MM Cap : Metalized Mylar Capacitor MP Cap : Metalized Paper Capacitor

MY Cap : Mylar Capacitor NP Cap : Non-polar Capacitor PC Cap : Polycarbonate Capacitor PP Cap : Polypropylene Capacitor PS Cap : Polystyrol Capacitor T Cap : Tantalum Capacitor TF Cap : Thin Film Capacitor TR Cap

: Trimmer Capacitor

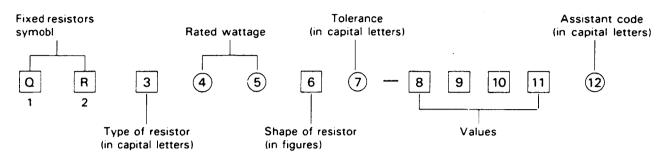
NOTES:

- [2 digits] indicates circuit board symbol number.
- "X" indicates quantity per set.

6.1 STANDARD PART NUMBER CODING

6.1.1 Fixed resistor coding

Fixed resistor part numbers are as follows.



		Rated	wattage	Tolerance	Assistant code			
Туре	e of resistor (third digit)	(fourth and fifth digits)		(seventh digit)	(twe	(twelfth digit)		
С	Composition resistors	AO	1/10 W	F ± 1 %	Α	Small type		
D	Carbon film resistors	18	1/8 W	G ± 2 %	В	Small type		
F	Unflammable resistors	16	1/6 W	J ±5%	S	Small type		
G	Oxide metal film	14	1/4 W	K ± 10 %	Y	Lead taping		
	resistors	12	1/2 W	M ±20%	Z	Lead taping		
Н	Fusible resistors	01	1 W			, 5		
M	Metal plate resistors	02	2 W	Values				
S	Metal glazed resistors	03	3 W	(eighth — tenth or ele	venth digits	s)		
V	Precision metal film	04	4 W	examples:	J			
	resistors	05	5 W	R47		0.47 Ω		
W	Wire wound resistors	06	6 W	4R7				
Х	Metal film resistors	07	7 W	470 47				
Z	Special resistors	75	7.5 W	471 473	× 10 ¹	470 Ω		
		08	8 W	472 47>				
		10	10 W	473 47>				
		15	15 W	474 47>				
		A6	16 W	475 47>	κ 10 ⁵	4.7 ΜΩ		
		20	20 W	QRV resistance shown				
		30	30 W	4640 464				
				4641 464				
				4642 464	_			

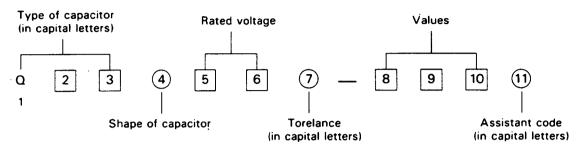
Shape of resistor (sixth digit)

Note: indicates flame retardant resistor.

Note:	indicates	name retai	rdant resist	or.						
Type of Shape resistor of resistor	С	D	F	G	н	M	s	v	w	x
1	\Box	\Box	\Box	\Box	\Box				\Box	
2	ر							-		
3		D)		ċ □₹				Ų		
4		ď		۲□۲	ŀ□v	₽		\Box		
5						1			(L) type	
6			끕	-						
7		<u>Г</u>	Lug (B) type					F		Ł ■−₹
8			Lug (A) type				[]] Chip			
9			Lug (C) type	}	Ł ζ					λ

6.1.2 Fixed capacitor coding

Fixed capacitor part numbers are as follows.



Ceramic capacitors

	Type of capacitor	Shape of capacitor (fourth digit)								
	first — third digits)	Mono-direction	Kink lead	Axial lead	Axial forming	Chip				
Symbol	Characteristics	Wiono-direction		Axidi icad	lead					
QCC	Ceramic	1		4	5					
QCD	High capacitance					Α				
QCF	High capacitance	1,4	3			8,A				
QCS	Temperature compensation	1	3	4	5	8,A				
QCT	Temperature compensation		Specia	al coding		8.A				
QCV	Ceramic		Typs	1	3					
QCX	Ceramic			1	3					
QCY	High capacitance	1,4	3	6	7	8,A				
QCZ	Special type		Specia	al coding						
QCB	Ceramic			В	С					

Electrolytic capacitors

	Type of capacitor (first-third digits)	Shape of capacitor (fourth digit)							
		Tubular	Mono-direction	Anti-stress	Forming	Snap-in			
Symbol	Characteristics								
QEB	Low leakage		4	5	6				
QEC	Low leakage	at .	4,8,A	9,B	6,C				
٥٢٢	Tantalum (normal)		4	5	6				
QEE	Tantalum (small)		8						
QEF	Chip tantalum	8 (chip type)							
QEG	Low impedance		4						
QEK	Miniature type		4	5	6				
QEL	Small type		4	5	6	7			
QEM	Small type		4,A	5	6				
QEN	Non-polar	2	4	5	6				
QEP	Non-polar (small)		4,A	5,B	6,C				
QER	Miniature type		4	5	6				
QET	Small type	2	4,A	5.B	6,C	7			
QEU	Small type		4	5	6				
QEV	Small type		4		6	7			
QEW	Normal	2	4	5	6	7			

Paper film capacitors

,	Type of capacitor first — third digits)	Shape of capacitor (fourth digit)							
<u>'</u>	inst – tima digits)	Tubular	Norn	nal	. Flame retardant				
Symbol	Characteristics	Tubular	Mono-direction	Kink lead	Mono-direction	Kink lead			
QFA	Metalized polypropylene				7				
QFE	Metalized mylar				5				
QFF	Film mica		4						
QFG	Polypropylene film		4	8					
QFH	Metalized mylar	2	4	3	5,7	6			
QFJ	Mylar (special)		4						
QFK	Metalized mylar (small)				5	· · · · · · · · · · · · · · · · · · ·			
QFM	Mylar	2	4	3,7	5	6			
QFN	Mylar (small)		4	3					
QFP	Polypropylene		4	3,8					
QFS	Polystyrole	2	4	3					
QFV	Thin film		4	8					
QFZ	Special type								

Rated voltage (fifth and sixth digits)

Sixth digit_	А	В	С	D	E	F	G	Н	J	К	٧	w	x
0						3.15	4.0		6.3				
1	10		16	20	25		40	50	63	80	35		
2	100	125	160	200	250	315	400	500	630		350	450	600
3	1000	1250		2000				5000					

Tolerance (seventh digit)

A	+ 100 % - 10 %	M	± 20 %
F	±1 %	N	±30 %
G	±2 %	Ρ	+ 100 % - 0
н	+ 50 - 10 %	R	+ 30 % - 10 %
J	±5 %	X	+ 40 % - 20 %
Κ	± 10 %	Z	+ 80 - 20 %

Values (eighth — tenth digits) Example: Values are in picofara

Examp	:xample : values are in picotarads										
101	10 × 10 ¹	pF	100 pF								
102	10×10^2	pF	1,000 pF (0.001 μF)								
103	10 \times 10 ³	pF	10,000 pF (0.01 μF)								
104	10 × 10 ⁴	pF	100,000 pF (0.1 µF)								
105	10×10 ⁵	pF	1 μF								
5RO			5.0 pF								

Assistant code (eleventh digit)

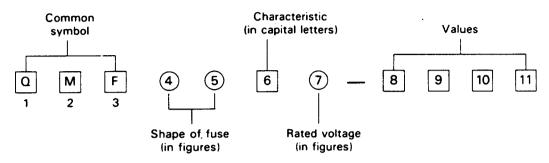
G Small size

Z Lead taping

Y Lead taping

6.1.3 Fuse coding

Standard fuse part numbers are as follows.



Shape of fuse		Rate	d voltage	Values		
(fourt	h and fifth digits)	(seve	enth digit)	(eighth-tenth or eleventh digits)		
51	φ5.2 × 20 mm	1	AC125 V	example:		
60	φ6.4×30 mm	2	AC250 V	R63 0.63 A		
61	φ6.35×31.8 mm	3	0.1-1 A: AC250 V	1RO 1.0 A		
63	ϕ 6.4 × 30 mm with lead wires		1.25-6.3 A: AC125 V	2R5 2.5 A		
66	ϕ 6.35 × 31.8 mm with lead wires			100 10 A		
00	Special type			R315 0.315 A		
	, ,			1R25 1.25 A		

Characteristics (sixth digit)

Symbol	Fusing Current	Fusing Time	Remarks	
	210 %	Within 2 min.		
Α	275 %	0.6 - 10 sec.	Anti-rush type (for Europe)	
^	400 %	0.15 - 3 sec.	Anti-lusii type (loi Ediope)	
	1000 %	0.02 - 0.3 sec.		
	210 %	Within 30 min.	Bar tark aikta a aa	
В	275 %	0.05 - 2 sec.	Regular fusible type (for SEMKO, Europe)	
	400 %	0.01 - 0.3 sec.	(ioi ozimko, zaropo)	
С	135 %	Within 1 hr.	Pagulas fusible tune (for III Inner)	
C	200 %	Within 2 min.	Regular fusible type (for UL, Japan)	
	210 %	Within 2 min.		
-	275 %	0.6 - 10 sec.	And with August (for Europa)	
E	400 %	0.15 - 3 sec.	Anti-rush type (for Europe)	
	1000 %	0.02 - 0.3 sec.		
	135 %	Within 1 hr.	Anti-rush type	
J	200 %	Within 2 min.		
М	135 %	Within 1 hr.	Parada fusible tura (for III.)	
IVI	200 %	Within 2 min.	Regular fusible type (for UL)	
	160 %	Within 1 hr.	Donaldo fueible tuno	
R	200 %	Within 2 min.	Regular fusible type	
	160 %	Within 1 hr.		
S	200 %	Within 2 min.	Anti-rush type	
	700 % - 2000 %	Within 0.01 sec.		
	135 %	Within 1 hr.		
U	200 %	Within 2 min.	Anti-rush type (for UL)	
	800 % - 2000 %	Within 0.01 sec.	7	

6.2 ELECTRICAL PARTS LIST BY ASSEMBLY

# <u>A</u> R	EF NO.	PART NO.	PART NAME, DESCRIPTION	*&	REF NO.	PART NO.	PART NAME, DESCRIPTION
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			DT01//FV	TO A VIOLOTOR
****	****	*********	*********	l	Q47	DTC144EK	TRANSISTOR
				1	Q48	2SA1022C	TRANSISTOR
					Q49	DTA144EK	TRANSISTOR
			********	1	Q50	DTA144EK	TRANSISTOR
		3.2.1 VIDEO BOAR		l			
	***	*********	********	ł	Q54	2SC2778C	TRANSISTOR
				ł	Q55	2SC2778C	TRANSISTOR
				ĺ	Q56	2SC2778C	TRANSISTOR
P	WBA	PRK10008A-01	VIDEO BOARD ASSY		Q57	2SB709A(QR)	TRANSISTOR
					Q58	2SC2778C	TRANSISTOR
I	Cl	VC2031MP	IC	i	Q59	2SA1022C	TRANSISTOR
	C2	AN6308S	IC		Q60	2SB709A(QR)	
	C3	AN6308S	ic		QOU	238707A(QR)	TRANSISTOR
	C4	M51647FP	ic			000/01//00	
				İ	Q61	2SD601A(QR)	TRANSISTOR
	C5	AN6393	IC		Q62	DTC144EK	TRANSISTOR
	C6	AN6308S	IC		Q63	2SC2778C	TRANSISTOR
	C7	AN6308S	IC		Q65	2SC2778C	TRANSISTOR
I	C8	VC2074	IC		Q66	DTA144WK	TRANSISTOR
					Q68	2SC2778C	TRANSISTOR
Mi	0D1	PU22282B	Y MODULE BOARD ASSY		Q69	2SC2778C	TRANSISTOR
	0D2	PB20008A	Y MODULE BOARD ASSY		Q70	2SA1022C	TRANSISTOR
			· · · · · · · · · · · · · · · · · · ·		4.0	20410220	TRANSISTOR
т.	C10	CXL1004P	ic		Q71	2SC2778C	TRANSISTOR
1,	-10	OVE 1004L	10		Q74		
•		54461				2SC2778C	TRANSISTOR
	C12	BA401	IC		Q75	2SA1022C	TRANSISTOR
11	C13	AN6392	IC		Q76	2SA1022C	TRANSISTOR
					Q77	2SC2778C	TRANSISTOR
I	C23	TA7348P	IC		Q78	2SA1022C	TRANSISTOR
I	C24	TC4538BF	IC		Q80	2SA1022C	TRANSISTOR
Q	1	2SC2778C	TRANSISTOR		Q82	DTC144EF	TRANSISTOR
Q		DTC144EK	TRANSISTOR		Q83	2SB643R,S	TRANSISTOR
Q.		2SC2778C	TRANSISTOR		Q84	2SB643R,S	TRANSISTOR
Q!		2SC2778C			Q85		
			TRANSISTOR			DTC144EF	TRANSISTOR
Q		2SC2778C	TRANSISTOR		Q87	2SB643R,S	TRANSISTOR
Q:		2SC2778C	TRANSISTOR		Q89	DTC144EF	TRANSISTOR
Q		2SC2778C	TRANSISTOR		Q90	2SB643R,S	TRANSISTOR
Q		2SC2778C	TRANSISTOR				
Q:	10	2SC2778C	TRANSISTOR		Q93	2SC2778C	TRANSISTOR
			İ		Q94	2SA1022C	TRANSISTOR
Q:	11	2SA1022C	TRANSISTOR				
Q:	13	2SD601A(QR)	TRANSISTOR		Q101	2SC2778C	TRANSISTOR
	14	2SA1022C	TRANSISTOR	A	Q102	2SD601A(QR)	TRANSISTOR
	15	2SC2778C	TRANSISTOR	_	Q103	2SD601A(QR)	TRANSISTOR
	16	2SC2778C	TRANSISTOR		Q106	2SC2778C	TRANSISTOR
	18				Q109	2SA1022C	TRANSISTOR
		2SA1022C	TRANSISTOR		Q110		
ч.	19	2SC2778C	TRANSISTOR		4110	2SC2778C	TRANSISTOR
					0117	DTCICCE	TRANSTOTOR
	21	2SA1022C	TRANSISTOR		Q113	DTC144EK	TRANSISTOR
	22	2SC2778C	TRANSISTOR		Q114	DTC144EK	TRANSISTOR
	23	2SC2778C	TRANSISTOR		Q115	2SC2778C	TRANSISTOR
Q	24	2SC2778C	TRANSISTOR		Q116	2\$C2778C	TRANSISTOR
Q	25	2SC2778C	TRANSISTOR		Q117	2SA1022C	TRANSISTOR
Q	26	2SA1022C	TRANSISTOR		Q118	2SA1022C	TRANSISTOR
Q	27	2SC2778C	TRANSISTOR		Q119	2SC2778C	TRANSISTOR
Q	29	2SA1022C	TRANSISTOR		Q120	2SA1022C	TRANSISTOR
	30	2SC2778C	TRANSISTOR				
					Q121	2SA1022C	TRANSISTOR
Ω:	32	2SC2778C	TRANSISTOR		Q122	DTC144EK	TRANSISTOR
	33	2SA1022C	TRANSISTOR		AILE	DICITIEN	TRANSISTOR
							TR 41107-07-0
	34	DTA114EK	TRANSISTOR		Q131	2SA1022C	TRANSISTOR
	35	DTC144EK	TRANSISTOR				
	36	DTC144EK	TRANSISTOR		Q501	DTC144EK	TRANSISTOR
	37	2SC2778C	TRANSISTOR		Q503	2SC2778C	TRANSISTOR
Q3	38	2SA1022C	TRANSISTOR		Q504	2SC2778C	TRANSISTOR
Q3	39	2SC2778C	TRANSISTOR		Q505	2SC2778C	TRANSISTOR
	40	2SC2778C	TRANSISTOR			<del>-</del>	· = = · = · ·
•		· - <del>-</del>			Q550	2SC2778C	TRANSISTOR
04	41	2SA1022C	TRANSISTOR				
	42	2SC2778C			0551	DICLOSER	TRANSTETOR
			TRANSISTOR			DTC144EK	TRANSISTOR
	43	2SC2778C	TRANSISTOR		Q552	DTC144EK	TRANSISTOR
	44	2SC2778C	TRANSISTOR		Q553	DTC144EK	TRANSISTOR
	45	2SC2778C	TRANSISTOR		Q554	2SC2778C	TRANSISTOR
Q	46	2SC2778C	TRANSISTOR		Q555	2\$A1022C	TRANSISTOR

*A		PART NO.	PART NAME, DESCRIPTION	*A		PART NO.	PART NAME, DESCRIPTION
	Q556	2SC2778C	TRANSISTOR		R46	QRSA08F-102YN	RESISTOR
	Q557	DTC144EK	TRANSISTOR		R47	QRSA08F-332YN	RESISTOR
	Q560	DTC124EF	TRANSISTOR		R48	QRSA08F-152YN	RESISTOR
	W-900	DICIZGEF	IKANSISIOK	I			
	-	100177	DIODE	1	R49	QRSA08F-332YN	RESISTOR
	DI	155133	DIODE	1	R50	QRSA08F-102YN	RESISTOR
	DS	155133	DIODE	1			
	D3	1SS133	DIODE	1	R51	QRSA08J-331YN	RESISTOR
	D4	1\$\$133	DIODE	1	R52	QVZ3531-222	V RESISTOR
	D8	188133	DIODE		R53	QRSA08J~223YN	RESISTOR
	D9	1SS99	DIODE		R54	QRSA08J-182YN	RESISTOR
	D10	1SS99	DIODE		R56	QRSA08J-122YN	RESISTOR
					R59	QRSA08J-122YN	RESISTOR
	D14	DAN202K	CHIP DIODE ARRAY	1			
	D15	DAN202K	CHIP DIODE ARRAY	1	R61	QRSA08J-182YN	RESISTOR
	D16	1SS99	DIODE	1	R63	QRSA08J-122YN	RESISTOR
	D17	1SS99	DIODE	1	R65	QRSAO8J-152YN	RESISTOR
	D18	188133	DIODE	i	R68	QRSA08J-223YN	RESISTOR
	D19	188133	DIODE		R69	QRSAD8J-223YN	RESISTOR
				1	R70	QRSA08J-222YN	RESISTOR
	D51	1SS133	DIODE	1		4	
	D52	155133	DIODE		R71	QRSAD8J-122YN	RESISTOR
	D53	15599	DIODE	1	R72	QRSA08J-561YN	RESISTOR
	D54				R73	QRSA08J-101YN	RESISTOR
		1SS99 1SS133	DIODE	1	R74		
	D55	188133	DIODE	1	R74 R75	QRSA08J-102YN	RESISTOR
	D57	155133	DIODE	ł		QRSA08J-103YN	RESISTOR
	D58	155133	DIODE	l	R76	QRSA08J-223YN	RESISTOR
	D60	15599	DIODE	l	R77	QRSA08J-102YN	RESISTOR
				I	R78	QRSA08J-102YN	RESISTOR
	D61	DAN202K	CHIP DIODE ARRAY	1	R79	PU59237-102	V RESISTOR
	D64	1SS133	DIODE	1	R80	QRSA08J-OROY	RESISTOR
				1			
	R1	QRSA08J-394YN	RESISTOR		R81	QRSA08J-103YN	RESISTOR
	R3	QRSA08J-223YN	RESISTOR	1	R82	QRSA08J-223YN	RESISTOR
	R4	QRSA08J-222YN	RESISTOR		R83	QRSA08J-102YN	RESISTOR
	R5	QRSA08J-333YN	RESISTOR		R84	QRSA08J-102YN	RESISTOR
	R6	QRSA08J-333YN	RESISTOR		R85	QRSA08J-103YN	RESISTOR
	R7	QRSA08J-102YN	RESISTOR	i	R86	QRSA08J-223YN	RESISTOR
	R8	QRSA08J-222YN	RESISTOR	1	R87	PU59237-102	V RESISTOR
	R9	QRSA08J-560YN	RESISTOR	ł	R88	QRSA08J-OROY	RESISTOR
	R10	QRSA08J-103YN	RESISTOR	1	R89	QRSA08J-223YN	RESISTOR
		4		l .	R90	QRSA08J-103YN	RESISTOR
	R11	QRSA08J-681YN	RESISTOR	l	K 7 0	41151100 105111	RESISTOR
	R12	QRSA08J-122YN	RESISTOR		R91	QRSA08J-102YN	RESISTOR
	R13	QRSA08J-273YN	RESISTOR	l	R92	QRSA08J-102YN	RESISTOR
	R14	QRSA08J-223YN	RESISTOR		R93	QRSA08J-223YN	RESISTOR
	R16				R94	QRSA08J-223YN	
		QRSA08J-821YN	RESISTOR		R95		RESISTOR
	R 17	QVZ3531-473	V RESISTOR			QRSA08J-102YN	RESISTOR
	R20	PU59237-473	V RESISTOR	Į	R96	QRSA08J-102YN	RESISTOR
	D 0 1	0004001 007341	DECTATOR	l	R97	PU59237-152	V RESISTOR
	R21	QRSA08J-223YN	RESISTOR	1	R98	QRSA08J-331YN	RESISTOR
	R22	QRSA08J-392YN	RESISTOR	ł			
	R23	QRSAD8J-222YN	RESISTOR	!	R103	QRSA08J-102YN	RESISTOR
	R24	QRSA08J-561YN	RESISTOR	1	R104	QRSA08J-223YN	RESISTOR
	R25	QRSA08J-122YN	RESISTOR	l	R105	QRSA08J-223YN	RESISTOR
	R26	QRSA08J-102YN	RESISTOR	1	R106	QRSA08J-102YN	RESISTOR
	R27	QRSA08J-102YN	RESISTOR	1	R107	QRSA08J-102YN	RESISTOR
	R28	QRSA08J-182YN	RESISTOR	1	R108	PU59237-152	V RESISTOR
	R29	QRSA08J-122YN	RESISTOR		R109	QRSA08J-102YN	RESISTOR
	R30	QRSA08J-182YN	RESISTOR	ł			
				l	R114	QRSA08J-102YN	RESISTOR
	R31	QRSA08J-102YN	RESISTOR	1	R115	QRSA08J-102YN	RESISTOR
	R34	QRSA08J-681YN	RESISTOR	1	R116	QRSA08J-223YN	RESISTOR
	R35	PU59237-331	V RESISTOR	!	R117	QRSA08J-223YN	RESISTOR
	R36	QRSA08F-272YN	RESISTOR	İ	R118	QRSAD8J-103YN	RESISTOR
	R37	QRSA08F-102YN	RESISTOR	l	R119	QRSA08J-103YN	RESISTOR
	R38	QRSA08F-272YN	RESISTOR	1	R120	QRSA08J-223YN	RESISTOR
	R39	QRSA08F-152YN	RESISTOR	1			
	R40	QRSA08F-471YN	RESISTOR	l	R121	QRSA08J-681YN	RESISTOR
	0	41714	NEU-201 UN	1	R122		
	D 6 1	000409E-103VH	PECTOTOR	1		QRSA08J-223YN	RESISTOR
	R41	QRSA08F-102YN	RESISTOR	1	R123	QRSA08J-681YN	RESISTOR
	R42	QRSA08J-104YN	RESISTOR	1	R124	QRSA08J-223YN	RESISTOR
	R43	QVZ3531-103	V RESISTOR	1	R127	QRSA08J-223YN	RESISTOR
	R44	QRSA08F-102YN	RESISTOR	1	R128	QRSA08J-102YN	RESISTOR
	R45	QRSA08F-471YN	RESISTOR	ı	R129	QVZ3531-471	V RESISTOR

<b>*</b> &	REF NO.	PART NO.	PART NAME, DESCRIPTION	**	REF NO.	PART NO.	PART NAME, DESCRIPTION
	R130	QRSA08J-561YN	RESISTOR				
					R211	QRSA08J-101YN	RESISTOR
	R131	QRSA08J-103YN	RESISTOR	1	R212	QRD167J-0R0	RESISTOR
	R132	QRSA08J-183YN	RESISTOR	1	R213	QVZ3531-331	V RESISTOR
	R133	QRSA08J-103YN	RESISTOR	ł	R214	QRSAD8J-392YN	RESISTOR
	R134	QRSA08J-103YN	RESISTOR	1	R215		
	R135					QRSAD8J-330YN	RESISTOR
		QRSA08J-223YN	RESISTOR	1	R216	QRSA08J-103YN	RESISTOR
	R136	QRSA08J-102YN	RESISTOR	1	R217	QRSAO8J-5R6YN	RESISTOR
	R137	QRSA08J-183YN	RESISTOR	1	R218	QRSA08J-47DYN	RESISTOR
	R138	QRSA08J-182YN	RESISTOR				
	R140	QRSA08J-122YN	RESISTOR	1	R221	OPSAGE 1-761VN	DECTATOR
		2		1		QRSA08J-391YN	RESISTOR
	B1/1			1	R222	QRSA08J-152YN	RESISTOR
	R141	QRSA08J-222YN	RESISTOR	1	R224	QRSAO8J-104YN	RESISTOR
	R142	QRSA08J-681YN	RESISTOR	1	R225	QRSA08J-103YN	RESISTOR
	R143	QRSA08J-222YN	RESISTOR	1	R226	QRSA08J-471YN	
	R144	QVZ3531-222	V RESISTOR				RESISTOR
	R145			1	R227	QRSAD8J-393YN	RESISTOR
		QRSA08J-681YN	RESISTOR	i	R228	QRSA08J-103YN	RESISTOR
	R146	QRSA08J-273YN	RESISTOR	!			
	R147	QRSAO8J-223YN	RESISTOR	ĺ	R238	QRSA08J-102YN	RESISTOR
	R149	QRSA08J-102YN	RESISTOR	i	R239	PU59237-222	
				1			V RESISTOR
	R150	QRSA08J-222YN	RESISTOR	1	R240	QRSA08J-332YN	RESISTOR
				1			
	R151	QRSA08J-681YN	RESISTOR	1	R241	QRSA08J-152YN	RESISTOR
	R152	QRSA08J-222YN	RESISTOR	1	R242	QRSA08J-561YN	RESISTOR
	R153	QVZ3531-222	V RESISTOR	1	R243	QRSA08J-183YN	RESISTOR
	R154	QRSA08J-471YN	RESISTOR		R244		
						QRSA08J-473YN	RESISTOR
	R155	QRSA08J-273YN	RESISTOR		R245	QRSA08J-222YN	RESISTOR
	R156	QRSAD8J-223YN	RESISTOR	1	R246	PU59237-222	V RESISTOR
	R157	QRSA08J-222YN	RESISTOR	ļ	R247	QRSA08J-152YN	RESISTOR
	R158	QRSA08J-331YN	RESISTOR		R248	QRSA08J-101YN	
	R159	QRSA08J-102YN	RESISTOR		R249		RESISTOR
	R160	QRSA08J-272YN	RESISTOR	i	1247	QRSAD8J-222YN	RESISTOR
	1,200	4K3A005-2721K	KESISTON				
					R255	QRSAO8J-183YN	RESISTOR
	R161	QRSA08J-102YN	RESISTOR	í	R256	QRSA08J-333YN	RESISTOR
	R162	QRSA08J-103YN	RESISTOR	ì	R257	QRSA08J-102YN	RESISTOR
	R163	QRSA08J-273YN	RESISTOR		R258	PU59237-222	
	R164	QRSA08J-103YN	RESISTOR				V RESISTOR
	R165				R259	QRSA08J-102YN	RESISTOR
		QRSA08J-223YN	RESISTOR	1	R300	QRSA08J-102YN	RESISTOR
	R166	QRSA08J-331YN	RESISTOR	1			
	R167	QVZ3531-222	V RESISTOR		R301	QRSAD8J-122YN	RESISTOR
	R168	QRSA08J-103YN	RESISTOR			QRSA08J-563YN	RESISTOR
	R169	QRSA08J-103YN	RESISTOR			QRSA08J-273YN	RESISTOR
	R170	QRSA08J-562YN	RESISTOR				
		4				QRSA08J-821YN	RESISTOR
	0171	OBC4001 770VN	DECTATOR			QRSA08J-182YN	RESISTOR
	R171	QRSA08J-332YN	RESISTOR	į .	R306	QRSA08J-222YN	RESISTOR
	R172	QRSA08J-272YN	RESISTOR	1	R307	QRSA08J-101YN	RESISTOR
	R176	QRSA08J~223YN	RESISTOR			QRSA08J-222YN	RESISTOR
	R177	QRSA08J-223YN	RESISTOR			QRSA08J-102YN	
	R178	QRSA08J-223YN	RESISTOR				RESISTOR
	R179			l '	R310	QRSA08J-222YN	RESISTOR
		QRSA08J-223YN	RESISTOR	l .			
	0100					QRD167J-750	RESISTOR
	R188	QRSA08J-105YN	RESISTOR		R315	QRSA08J-101YN	RESISTOR
	R189	QVZ3531-102	V RESISTOR			QRSA08J-392YN	RESISTOR
	R190	QRSA08J-223YN	RESISTOR			QRSA08J-103YN	
				۱ '			RESISTOR
	R191	QRSA08J-333YN	RESISTOR	Ι.	D 7 2 1	ODCADO L. SSTAN	DESTOTOR
						QRSA08J-223YN	RESISTOR
	R194	QRSA08J-271YN	RESISTOR			QRSA08J-102YN	RESISTOR
	R195	QRSA08J-122YN	RESISTOR	1	R323	QRSAD8J-681YN	RESISTOR
	R196	PU59237-102	V RESISTOR				
	R197	QRSA08J-273YN	RESISTOR		R332	QRSAD8J-473YN	RESISTOR
	R198	QRSA08J-103YN	RESISTOR				
	R199	QRSA08J-102YN				QRSAD8J-393YN	RESISTOR
			RESISTOR			QRSA08J-223YN	RESISTOR
	R200	QRSA08J-102YN	RESISTOR	اللا	R335	QRSAO8J-680YN	RESISTOR
						QRSA08J-330YN	RESISTOR
	R201	QRSA08J-152YN	RESISTOR			QRSA08J-682YN	
	R202	QRSA08J-272YN	RESISTOR				RESISTOR
						QRSA08J-333YN	RESISTOR
	R203	QRSA08J-182YN	RESISTOR	F	R339	QRSAD8J-561YN	RESISTOR
	R204	QRSA08J-561YN	RESISTOR				
	R205	QRD167J-680	RESISTOR	F	R341	QRSA08J-102YN	RESISTOR
	R206	QRSA08J-223YN	RESISTOR			QRSA08J-102YN	
	R207	QRSA08J-563YN	RESISTOR			QRSA08J-102YN	RESISTOR
	R208						RESISTOR
		QRSA08J-222YN	RESISTOR	,	R347	QRSAD8J-332YN	RESISTOR
	R209	QRSA08J-152YN	RESISTOR				
	R210	QRSA08J-102YN	RESISTOR	F	₹355	QRSA08J-102YN	RESISTOR

		PART NO.	PART NAME, DESCRIPTION		PART NO.	PART NAME, DESCRIPTION
	R 356	QRSA08J-102YN	RESISTOR	R515	QRSA08J-103YN	RESISTOR
	R357	QRSA08J-272YN	RESISTOR	R516	QRSAD8J-475YN	RESISTOR
				<b>☆</b> R517	QRD161J-391	RESISTOR
	R358	QRSA08J-272YN	RESISTOR			
	R359	QRSA08J-102YN	RESISTOR	R518	QRSAD8J-561YN	RESISTOR
	R360	QRSA08J-562YN	RESISTOR	R519	QRD161J-0R0	RESISTOR
				R520	QRSAD8J-392YN	RESISTOR
	R361	QRSA08J-103YN	RESISTOR			
	R362	QRSA08J-223YN	RESISTOR	R521	QRD161J-0R0	RESISTOR
	R363	QRSA08J-102YN	RESISTOR	R522	QRD161J-392	RESISTOR
	R364	QRSA08J-103YN	RESISTOR	R523	ERT-D2FGL101S	THERMISTOR
	R365	QRSA08J-223YN	RESISTOR	R524	QRSAD8J-101YN	RESISTOR
	R366	QRSA08J-102YN	RESISTOR	R525	QRD161J-124	RESISTOR
	R367	QRSA08J-100YN	RESISTOR	R527	QRSA08J-182YN	RESISTOR
	R368		RESISTOR		QUONDOO 102111	
		QRSA08J-102YN		R550	QRSA08J-103YN	RESISTOR
	R370	QRSA08J-102YN	RESISTOR	K550	@K3A005"105114	RESISTOR
				0001	0004081 22770	DECICION
	R371	QRSA08J-181YN	RESISTOR	R551	QRSA08J-223YN	RESISTOR
	R372	QRSA08J-102YN	RESISTOR	R552	QRSA08J-102YN	RESISTOR
	R 3 7 3	QRSA08J-181YN	RESISTOR	R554	PU59237-474	V RESISTOR
	R374	QRSA08J-102YN	RESISTOR	R555	QRSA08J-104YN	RESISTOR
	R376	QRSA08J-392YN	RESISTOR	R556	QRSA08J-OROY	RESISTOR
	R377	QRSA08J-102YN	RESISTOR	R558	QRSAOBJ-823YN	RESISTOR
	R378	QRSA08J-562YN	RESISTOR	R559	QRSA08J-222YN	RESISTOR
	R379	QRSA08J-821YN	RESISTOR	R560	QRSA08J-222YN	RESISTOR
	R380	QRSA08J-102YN	RESISTOR			
	555	#" nunnnn TAF 114		R561	QRSA08J-472YN	RESISTOR
	R382	ADEANS I-107VH	RESISTOR	R562	PU59237-473	V RESISTOR
		QRSA08J-103YN		R563	ERT-D2FFL400S	THERMISTOR
	R383	QRSA08J-181YN	RESISTOR	R564	QRSA08J-181YN	RESISTOR
	R384	QRSA08J-102YN	RESISTOR			
	R 385	QRSA08J-181YN	RESISTOR	R565	QRSA08J-332YN	RESISTOR
	R386	QRSA08J-102YN	RESISTOR	R566	QRSA08J-103YN	RESISTOR
	R388	QRSA08J-222YN	RESISTOR	R567	QRSA08J-103YN	RESISTOR
◬	R400	PU52108-100K	POSITIVE THERMISTOR	R568	QRSA08J-473YN	RESISTOR
	R401	ERT-D2FHL-332S	THERMISTOR	R580	QRD161J-ORO	RESISTOR
	R402	QRD161J-0R0	RESISTOR			
	R405	QRSA08J-102YN	RESISTOR	R581	QRD161J-103	RESISTOR
	R406	QRSAD8J-822YN	RESISTOR	R582	QRD161J-682	RESISTOR
	R407	QRSAU8J-472YN	RESISTOR	R583	ERT-D2FHK-153S	THERMISTOR
	R408	QRSA08J-272YN	RESISTOR	R585	QRD161J-680	RESISTOR
	R409	QRSA08J-103YN	RESISTOR	R587	QRD161J-680	RESISTOR
		QRSA08J-822YN	RESISTOR	1	4	
	R410	MESSO-COUNCY	RESISTOR	С3	QCSA1HJ-270	CAPACITOR
	0411	DUE 0077 770	W DECTOTOD	C5	QER41HM-335	E CAPACITOR
	R411	PU59237-332	V RESISTOR	C7	QER41HM-225	E CAPACITOR
	R412	QRSA08J-102YN	RESISTOR	C8		
	R414	QRSA08J~102YN	RESISTOR		QER41EM-475	E CAPACITOR
	R418	QRSA08J-681YN	RESISTOR	C9	QEK40JM-337	E CAPACITOR
	R419	QRSA08J-102YN	RESISTOR	C10	QCYA1HK-223	CAPACITOR
	R421	QRSA08J-102YN	RESISTOR	C11	QER41CM-106	E CAPACITOR
	R424	QRSAD8J-331YN	RESISTOR	C12	QER40JM-476	E CAPACITOR
	R426	QRSA08J-333YN	RESISTOR	C13	QER41CM-106	E CAPACITOR
	R427	QRD167J-335	RESISTOR	C14	QER40GM-476	E CAPACITOR
				C15	QER41HM-225	E CAPACITOR
	R431	QRSA08J-561YN	RESISTOR	C16	QER41EM-335	E CAPACITOR
	R432	QRSA08J-271YN	RESISTOR	C17	QCYA1HK-103	CAPACITOR
			RESISTOR	C18	QCSA1HJ-561	CAPACITOR
	R433	QRSA08J-0R0Y QRSA08J-102YN	RESISTOR	C19	QER41HM-105	E CAPACITOR
	R436			ľ		
	R437	QRSA08J-102YN	RESISTOR	C20	QCYA1HK-103	CAPACITOR
	R438	QRSA08J-331YN	RESISTOR			0.00.07700
				C21	QCSA1HJ-560	CAPACITOR
	R501	QRSA08J-335YN	RESISTOR	C22	QCYA1HK-223	CAPACITOR
	R502	QRSA08J-335YN	RESISTOR	C23	QEK40JM-337	E CAPACITOR
	R503	QRSA08J-102YN	RESISTOR	C26	QER41HM-335	E CAPACITOR
	R504	QRSA08J-122YN	RESISTOR	C27	QCYA1HK-223	CAPACITOR
	R 505	QRSA08J-561YN	RESISTOR	C28	QEK40JM-337	E CAPACITOR
	R506	QRSA08J-221YN	RESISTOR	C29	QER41HM-225	E CAPACITOR
	R507	QRSAD8J-332YN	RESISTOR	C30	QEE40JM-476	E CAPACITOR
	R508	QRSA08J-152YN	RESISTOR			
		QRSA08J-101YN		C31	QCYA1HK-223	CAPACITOR
	R509	-	RESISTOR	C33	QER41CM-476	E CAPACITOR
	R 5 10	QRSA08J-152YN	RESISTOR	C34	QCYA1HK-223	CAPACITOR
		******	25070702			
	R 5 12	QRSA08F-152YN	RESISTOR	C35	QER40JM-476	E CAPACITOR
	R514	QRSA08J-102YN	RESISTOR	C36	QCTA2CH-271	CAPACITOR

	O. PART NO.	PART NAME, DESCRIPTION		. PART NO.	PART NAME, DESCRIPTION
C37	QCTA2CH-271	CAPACITOR	1		CADACTTOD
C38	QCTA2CH-820		C114	QCYA1HK-103	CAPACITOR
		CAPACITOR	C115	QCYA1HK-223	CAPACITOR
C39	QCTA2CH-221	CAPACITOR	C118	QER40JM-476	E CAPACITOR
C40	QCTA2CH-271	CAPACITOR	C119	QCYA1HK-223	CAPACITOR
			C120	QCSA1HJ-270	CAPACITOR
C41	QCTA2CH-820	CAPACITOR			
C42	QCTA2CH-271	CAPACITOR	C121	QCYA1HK-103	CAPACITOR
C43	QCTA2CH-271	CAPACITOR	C122	QCYA1HK-223	CAPACITOR
C44	QCTA2CH-221	CAPACITOR	C123		
C45	QEE40JM-476	E CAPACITOR		QCSA1HJ-680	CAPACITOR
C46			C124	QCYA1HK-223	CAPACITOR
	QCYA1HK-223	CAPACITOR	C125	QCYA1HK-223	CAPACITOR
C47	QER41AM-226	E CAPACITOR	C126	QER41HM-104	E CAPACITOR
C48	QER40JM-476	E CAPACITOR	C127	QCSA1HJ-560	CAPACITOR
C49	QER41EM-475	E CAPACITOR	C128	QER40JM-476	E CAPACITOR
C50	QER41EM-475	E CAPACITOR	C129	QCYA1HK-223	CAPACITOR
			C130	QER40JM-476	E CAPACITOR
C51	QER40JM-476	E CAPACITOR		40	z on norron
C52	QCYA1HK-223	CAPACITOR	C131	QCYA1HK-223	CABACTTOD
C56	QER40JM-476	E CAPACITOR			CAPACITOR
C57			C132	QER40JM-476	E CAPACITOR
	QCYA1HK-223	CAPACITOR	C133	QCYA1HK-103	CAPACITOR
C58	QER40JM-476	E CAPACITOR	C134	QER40JM-476	E CAPACITOR
C59	QCYA1HK-223	CAPACITOR	C135	QER41EM-475	E CAPACITOR
C60	QER40JM-476	E CAPACITOR	C136	QER40JM-476	E CAPACITOR
			C137	QER40JM-476	E CAPACITOR
C61	QER41EM-475	E CAPACITOR	C138	QCYA1HK-223	
C62	QCYA1HK-223	CAPACITOR			CAPACITOR
C63	QER40JM-476		C139	QER40JM-476	E CAPACITOR
		E CAPACITOR	C140	QCYA1HK-103	CAPACITOR
C64	QCYA1HK-103	CAPACITOR			
C65	QCYA1HK-103	CAPACITOR	C141	QER41EM-475	E CAPACITOR
C67	QCSA1HJ-121	CAPACITOR	C142	QER40JM-476	E CAPACITOR
C68	QCSA1HJ-121	CAPACITOR	C143	QER40JM-476	E CAPACITOR
C69	QCYA1HK-103	CAPACITOR	C144	QCYA1HK-223	CAPACITOR
C70	QCYA1HK-103	CAPACITOR	C145		
	2011121111			QER40JM-476	E CAPACITOR
C71	QCYA1HK-223	CAPACITOR	C146	QCYA1HK-223	CAPACITOR
C72			C147	QER41EM-475	E CAPACITOR
	QER40JM-476	E CAPACITOR	C149	QER40JM-476	E CAPACITOR
C73	QCYA1HK-223	CAPACITOR	C150	QCYA1HK-223	CAPACITOR
C74	QCYA1HK-223	CAPACITOR	1		
C75	QCYA1HK-103	CAPACITOR	C156	QEE41VM-105	TANTAL CAPACITOR
C76	QCYA1HK-223	CAPACITOR	C157	QCYA1HK-223	CAPACITOR
C77	QER41CM-476	E CAPACITOR	C158		
C78	QCYA1HK-103	CAPACITOR		QER41CM-476	E CAPACITOR
C79	QCSA1HJ-151	CAPACITOR	C159	QER41EM-335	E CAPACITOR
• • •	QCSAING 151	CAPACITOR	C160	QER41EM-335	E CAPACITOR
C82	0004108-107	CARACTTOR			
	QCYA1HK-103	CAPACITOR	C161	QER41CM-106	E CAPACITOR
C83	QCSA1HJ-151	CAPACITOR	C162	QER41CM-106	E CAPACITOR
C86	QCYA1HK-103	CAPACITOR	C164	QER41EM-335	E CAPACITOR
C87	QCYA1HK-103	CAPACITOR	C165	QCSA1HJ-101	CAPACITOR
C88	QCYA1HK-103	CAPACITOR	C166	QER41CM-476	E CAPACITOR
C89	QCYA1HK-103	CAPACITOR	C167	QCYA1HK-223	CAPACITOR
			C168	QER41CM-476	
C91	QER40JM-476	E CAPACITOR			E CAPACITOR
C92	QCYA1HK-223	CAPACITOR	C170	QER40JM-476	E CAPACITOR
C93	QCYA1HK-103	CAPACITOR			
C94			C171	QCYA1HK-223	CAPACITOR
	QER41EM-475	E CAPACITOR	C172	QCYA1HK-223	CAPACITOR
C95	QEE41EM-475	TANTAL CAPACITOR	C173	QER41CM-476	E CAPACITOR
C96	QER40JM-476	E CAPACITOR	C174	QFN41HJ-103	M CAPACITOR
C97	QCYA1HK-223	CAPACITOR	C175	QER40JM-476	E CAPACITOR
C99	QER40JM-476	E CAPACITOR	C176	PU54990-3	E CAPACITOR
C100	QER41CM-476	E CAPACITOR	C177	QER40JM-107	
		· · · · · - · ·	C177		E CAPACITOR
C101	QER40JM-476	E CAPACITOR		QCYA1HK-223	CAPACITOR
C102	QER40JM-476		C179	QER41CM-476	E CAPACITOR
		E CAPACITOR	C180	QCYA1HK-223	CAPACITOR
C103	QEE40JM-476	E CAPACITOR	1		
C104	QCYA1HK-223	CAPACITOR	C181	QCYA1HK-223	CAPACITOR
C105	QCYA1HK-103	CAPACITOR	C183	QCSA1HJ-820	CAPACITOR
C106	QCYA1HK-103	CAPACITOR	C184	QCYA1HK-223	CAPACITOR
C107	QEE41EM-475	TANTAL CAPACITOR	C185	QCSA1HJ-180	
C108	QER40JM-476	E CAPACITOR			CAPACITOR
C109	QCYA1HK-223	CAPACITOR	C186	QCSA1HJ-120	CAPACITOR
0107	401414V_552	ONL WOT LOK	C187	QCYA1HK-103	CAPACITOR
C111	0004111	0.10.107700	C189	QER41EM-106	E CAPACITOR
C111	QCSA1HJ-561	CAPACITOR	C190	QER41HM-105	E CAPACITOR
C112	QCSA1HJ-151	CAPACITOR	1		
C113	QCSA1HJ-330	CAPACITOR	C191	QCYA1HK-223	CAPACITOR
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		PART NAME, DESCRIPTION			PART NAME, DESCRIPTION
C192			C512	QCSA1HJ-270	
C195	QER41CM-476 QER41CM-476	E CAPACITOR	C513	QCSA1HJ-680	CAPACITOR
C196	QCYA1HK-223	CAPACITOR	C514	QCSA1HJ-270	CAPACITOR
C198		E CAPACITOR			
	QER41CM-106		C515	QER40JM-476	E CAPACITOR
C199	QER41CM-106	E CAPACITOR	C516	QER40JM-107	E CAPACITOR
C200	QER41CM-476	E CAPACITOR	C518	QCSA1HJ-151	CAPACITOR
			C519	QCYA1HK-103	CAPACITOR
C201	QER41CM-476	E CAPACITOR			
C206	QER41CM-106	E CAPACITOR	C522	QCSA1HJ-180	CAPACITOR
C207	QER41CM-476	E CAPACITOR	C523	QCSA1HJ-180	CAPACITOR
C208	QCYA1HK-223	CAPACITOR	C524	QCYA1HK-103	CAPACITOR
C209	QER40GM-476	E CAPACITOR			
C210	QER41CM-476	E CAPACITOR	C525	QCYA1HK-102	CAPACITOR
0210	WERTICH-470	E CAPACITOR	C526	QCSA1HJ-9R0	CAPACITOR
			C527	QCSA1HJ-560	CAPACITOR
C211	QCYA1HK-223	CAPACITOR	C529	QCYA1HK-103	CAPACITOR
C212	QER41CM-106	E CAPACITOR			•
C213	PU54990-3	E CAPACITOR	C550	QCYA1HK-223	CAPACITOR
C214	QCYA1HK-223	CAPACITOR			
C215	QER41CM-476	E CAPACITOR	C552	QER41HM-474	E CAPACITOR
C217	QER40JM-476	E CAPACITOR	C553	QCYA1HK-472	CAPACITOR
C218	QER40JM-476	E CAPACITOR	C554	QCYA1HK-223	CAPACITOR
C219	QCYA1HK-223	CAPACITOR	C555	QEK40JM-476	E CAPACITOR
		•			
C220	QCYA1HK-103	CAPACITOR	C556	QEK41CM-106	E CAPACITOR
			C557	QEK41CM-476	E CAPACITOR
C221	QCYA1HK-103	CAPACITOR	C558	QCYA1HK-223	CAPACITOR
C224	QER41CM-106	E CAPACITOR	C559	QCYA1HK-223	CAPACITOR
C225	QCYA1HK-223	CAPACITOR	C560	QEK41CM-106	E CAPACITOR
C229	QER40JM-476	E CAPACITOR			
C230	QER41HM-225	E CAPACITOR	C561	QCSA1HJ-151	CAPACITOR
		i	C562	QEK41CM-106	E CAPACITOR
C231	QER41HM-225	E CAPACITOR	C570	QCS11HJ-330	CAPACITOR
C234	QER41HM-225	E CAPACITOR	03,0	40311110 330	CHI HOLLON
C235		CAPACITOR		00033111 300	CARACTTOR
	QCSA1HJ-220		C571	QC\$11HJ-100	CAPACITOR
C236	QER41HM-105	E CAPACITOR	C572	QEE40JM-476	TANTAL CAPACITOR
C237	QCSA1HJ-101	CAPACITOR	C574	QCS11HJ-100	CAPACITOR
C238	QER41EM-475	E CAPACITOR			
			L2	PU53618-471J	COIL
C241	QCYA1HK-223	CAPACITOR	L4	PGZ00638-101	COIL
C242	QCYA1HK-223	CAPACITOR	L5	PU53223-121J	COIL
C243	QCSA1HJ-470	CAPACITOR	L6	PU53223-101J	COIL
C244	QER41CM-106	E CAPACITOR	L8	PGZ00638-101	COIL
			L9	PU53223-560J	COIL
C253	QCSA1HJ-220	CAPACITOR	Lío	PGZ00638-101	COIL
C254	QCSA1HJ-151	CAPACITOR	LIU	FG200636-101	COIL
C300	QER41EM-475	E CAPACITOR	L11	PGZ00638-101	COIL
			L12	PGZ00638-101	COIL
C301	QER40JM-476	E CAPACITOR	L13	PGZ00638-101	COIL
C302	QCYA1HK-103	CAPACITOR	L16	PGZ00638-101	COIL
C303	QCSA1HJ-220	CAPACITOR	L17	PGZ00638-101	COIL
C3 04	QCSA1HJ-101	CAPACITOR	L18	PGZ00638-101	COIL
C307	QCSA1HJ-220	CAPACITOR	L19	PU53223-560J	COIL
C3 09	QCSA1HJ-100	CAPACITOR	L20	PGZ00638-101	COIL
C310	QCSA1HJ-121	CAPACITOR	-20	. 5200555-101	
			1.23	BC700/76 101	COLL
C3 11	0004141-400	CAPACITOR	F51	PGZ00638-101	COIL
C3 11	QCSA1HJ-680	CAPACITOR	L22	PGZ00638-101	COIL
C3 14	QER41HM-225	E CAPACITOR	L23	PU53223-101J	COIL
C3 15	QCYA1HK-103	CAPACITOR	L24	PGZ00638-101	COIL
C319	QCYA1HK-103	CAPACITOR	L25	PGZ00638-101	COIL
C320	QCSA1HJ-150	CAPACITOR	L27	PU53223-101J	COIL
			L28	PU53223-180J	COIL
C324	QCSA1HJ-221	CAPACITOR	L29	PGZ00638-101	COIL
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C501	QCYA1HK-102	CAPACITOR	121	PU53223-560J	COTI
			L31		COIL
C5 02	QCSA1HJ-560	CAPACITOR	L32	PGZ00638-101	COIL
C5 03	QCYA1HK-223	CAPACITOR	L33	PGZ00638-101	COIL
C5 04	QER40JM-476	E CAPACITOR	L34	PGZ00638-101	COIL
C5 05	QCYA1HK-223	CAPACITOR	L35	PGZ00638-101	COIL
C5 06	QER41CM-476	E CAPACITOR	L36	PGZ00638-101	COIL
C5 07	QCTA1CH-151	CAPACITOR	L37	PGZ00638-101	COIL
C5 08	QER41HM-105	E CAPACITOR	L38	PGZ00638-101	COIL
C5 09	QER41HM-105	E CAPACITOR	L40	PGZ00638-101	COIL
C5 10	QCSA1HJ-470	CAPACITOR	_ 10	200000 101	
JJ 10	400H2110 - 710	was and the	161	PC700439-101	COTI
C5 11	QCSA1HJ-470	CAPACITOR	£41	PGZ00638-101	COIL
II	#OOMING-410	ON NOTION	L42	PGZ00638-101	COIL

CASE   VILLED STATE	#4	REF NO.	PART NO.		#å REF NO.		PART NAME, DESCRIPTION
L44 PS200638-101 COIL L45 PS200638-101 COIL L47 PUSS18-58-67 COIL L48 PS200638-101 COIL L49 PS30638-101 COIL L49 PS30638-101 COIL L49 PS30638-101 COIL L49 PS30638-101 COIL L49 PS200638-101 COIL L59 PS30638-101 COIL L59 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50 PS30638-101 COIL L50		143					•
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L504 PU55223-121J C.CDIL L506 PU53223-151J C.CDIL L507 PU53223-151J C.CDIL L507 PU53223-151J C.CDIL L509 PC500438-101 CDIL L510 PV48550-383K CDIL L511 PV48550-383K CDIL L511 PV48550-383K CDIL L512 PV48550-383K CDIL L512 PV48550-383K CDIL L513 PV48550-383K CDIL L514 PC200638-101 CDIL L515 PV48550-383K CDIL L517 PV48550-383K CDIL L518 PV48550-383K CDIL L519 PV48550-383K CDIL L519 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV48550-383K CDIL L510 PV4850-383K CDIL L510 PV4850-383K CDIL L510 PV4850-383K CDIL L510 PV48500-383K		L503					
L505 PU53223-5151 C.COIL L507 PU53223-5151 C.COIL L507 PU53223-5151 C.COIL L509 PU53263-660 COIL L509 PU53263-6710 COIL L510 PU36530-783K COIL L510 PU46530-783K COIL L511 PU46530-783K COIL L511 PU46530-680 COIL L512 PU46530-680 COIL L512 PU46530-680 COIL L513 PU46530-680 COIL L514 PU46530-680 COIL L515 PU46530-680 COIL L515 PU46530-680 COIL L516 PU46530-680 COIL L517 PU46530-680 COIL L518 PU46530-680 COIL L519 PU46530-680 COIL L519 PU46530-680 COIL L519 PU46530-680 COIL L510 PU46530-680 COIL L510 PU46530-680 COIL L510 PU46530-680 COIL L510 PU46530-680 COIL L511 PU46530-680 COIL L512 PU46530-680 COIL L513 PU46530-680 COIL L514 PU46530-680 COIL L515 PU46530-680 COIL L516 PU58264-10 COIL L517 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU58264-10 COIL L518 PU5					PWBAD	PGF2016742-01	VIDEO SUB 2 BOARD ASSV
L506					INDAL	. SEESIG/ME-UI	TADES SUB & BURKU ASST
L507					0124	20027700	TRANSPORT
L508					ų126	2502778C	IKANSISTOR
L509   P0Z00638-101   COIL   R613   GRSA08J-101YN   RESISTOR   R615   PU46850-887   COIL   R617   PU59827-087   COIL   R617   PU59827-087   COIL   R617   PU59827-087   COIL   C250   QCSAlHJ-102   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYAlHK-223   CAPACITOR   C251   QCYALHA   CAPACITOR   C251   QCYALHA   CAPACITOR   CAPACITOR   C251   QCYALHA   CAPACITOR   C251   CAPACITOR   C251   CAPACITOR   C251   CAPACITOR   C251   CAPACITOR   C251   CAPA							
L510 PU48530-SR3K COIL  L511 PU48530-SR3K COIL  L511 PU48530-SR3K COIL  L511 PU48530-SR3K COIL  L511 PU48530-SR3K COIL  L511 PU48530-SR3K COIL  C250 QCSA1HJ-102 CAPACITOR  C251 QCYA1HK-223 CAPACITOR  TP1 PU50088-101 COIL  TP1 PU50088-101 COIL  L512 PQ420052 LOW PASS FILTER, (LPF1-1)  LPF1 PQ200952 LOW PASS FILTER, (LPF1-2)  LPF3 PQ5200638 LOW PASS FILTER, (LPF1-2)  LPF4 PQ5200799 LOW PASS FILTER, (LPF2-1)  LPF5 PQ5200800 LOW PASS FILTER, (LPF2-1)  LPF5 PQ5200800 LOW PASS FILTER, (LPF2-1)  LPF6 PQ5200800 LOW PASS FILTER, (LPF2-1)  LPF6 PQ5200800 LOW PASS FILTER, (LPF2-2)  DL1 PG201058 DELAY LINE  MAXMAMARAHAHAHAHAHAHAHAHAHAHAHAHAHAHAHAHAHA			PU53618-471J	COIL	R415	QRSAD8J-682YN	RESISTOR
L510 PU46830-SR3K COIL  L511 PU46830-SR3K COIL  L511 PU46830-SR3K COIL  L511 PU46830-SR0V COIL  L551 PO200638-101 COIL  L551 PO200638-101 COIL  L553 PU48530-SR6J COIL  L553 PU48530-SR6J COIL  L551 PO200952 LOW PASS FILTER, (LPF1-1)  LPF1 PO200952 LOW PASS FILTER, (LPF1-2)  LPF3 PO200953 LOW PASS FILTER, (LPF2-1)  LPF4 PO2009799 LOW PASS FILTER, (LPF2-1)  LPF5 PO200800 LOW PASS FILTER, (LPF2-1)  LPF6 PO200800 LOW PASS FILTER, (LPF2-1)  LPF7 PO200800 LOW PASS FILTER, (LPF2-1)  LPF8 PO200800 LOW PASS FILTER, (LPF2-1)  LPF9 PO200800 LOW PASS FILTER, (LPF2-1)  LPF1 PO200800 LOW PASS FILTER, (LPF2-1)  LPF2 PO200800 LOW PASS FILTER, (LPF2-1)  LPF3 PO200800 LOW PASS FILTER, (LPF2-1)  LPF4 PO200800 LOW PASS FILTER, (LPF2-1)  LPF5 PO200800 LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  LOW PASS FILTER, (LPF2-1)  MRXMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM		L509	PGZ00638-101	COIL	R416	QRSA08J-101YN	RESISTOR
L511 PU48530-SR3K COIL L512 PU48530-SR3K COIL L512 PU49530-SR0J COIL L551 PG200638-101 COIL L552 PG200638-101 COIL L552 PG200638-101 COIL L553 PV48530-SR6J COIL L553 PV48530-SR6J COIL L553 PV48530-SR6J COIL LFF1 PG200952 LOW PASS FILTER. (LPF1-1) LPF2 PG200953 LOW PASS FILTER. (LPF1-2) LPF3 PG200673 LOW PASS FILTER. (LPF2-1) LPF5 PG200800 LOW PASS FILTER. (LPF2-1) LPF5 PG200800 LOW PASS FILTER. (LPF2-1) LPF5 PG200800 LOW PASS FILTER. (LPF2-2) LPF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-2) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1) LFF5 PG200800 LOW PASS FILTER. (LPF2-1		L510	PU48530-3R3K	COIL			
C251 QCYAIK-223 CAPACITOR   C251 QCYAIK-223 CAPACITOR						. 037201 100	* KLSISTON
C251   CYA1K-223   CAPACITOR		1511	D1148E30-3D3K	COTI	0250	0004391 300	040407700
C251   QCYAlHK-223   CAPACITOR					L250	MC2VIH2-105	CAPACITOR
L551 PGZ00638-101 COIL L552 PGZ00638-101 COIL L553 PU48530-5R6J COIL LFF1 PGZ00952 LOW PASS FILTER, (LPF1-1) LFF2 PGZ00953 LOW PASS FILTER, (LPF1-2) LFF3 PGZ00693 LOW PASS FILTER, (LPF2-2) LFF4 PGZ00779 LOW PASS FILTER, (LPF2-1) LFF5 PGZ00800 LOW PASS FILTER, (LPF2-1) LFF5 PGZ00800 LOW PASS FILTER, (LPF2-1) LFF6 PGZ00800 COM PASS FILTER, (LPF2-1) LFF7 PGZ00800 COM PASS FILTER, (LPF2-1) LFF7 PGZ00800 COM PASS FILTER, (LPF2-1) LFF8 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF9 PGZ00800 COM PASS FILTER, (LPF2-1) LFF0 PGZ00800 COM PASS FILTER, (LPF2-1) LFF0 PGZ00800 COM PASS FILTER, (LPF2-1) LFF0 PGZ00800 COM PASS FILTER, (LPF2-1) LFF0 PGZ00800 COM		LSIE	F046530-6603	COIL			
L552   PGZ00638-101   COIL   TP1   PU56008   TEST-PIN, X36					C251	QCYA1HK-223	CAPACITOR
L553   PU48530-5R6J   COIL							
L553		L552	PGZ00638-101	COIL	TP1	PU56008	TEST-PIN. X36
LPF1 PGZ00952 LOW PASS FILTER, (LPF1-1) LPF2 PGZ00953 LOW PASS FILTER, (LPF1-2) LPF3 PGZ006953 LOW PASS FILTER, (LPF2-1) LPF4 PGZ00679 LOW PASS FILTER, (LPF2-1) LPF5 PGZ00800 LOW PASS FILTER, (LPF2-1) LPF5 PGZ00800 LOW PASS FILTER, (LPF2-2)  DL1 PGZ0158 DELAY LINE  A X1 PGZ00677 CRYSTAL RESONATOR  K1 PGZ00677 CRYSTAL RESONATOR  K1 PGZ00672 CHIP FELITE, X7 (K1-K7)  CN12-14 PGZ00698-20 BOARD TO BOARD CN13-15 PGZ00698-24 BOARD TO BOARD  LD PGZ00606 BOARD HOLDER, X2  SPC1 PGZ00606 BOARD HOLDER, X2  SPC1 PGZ00605 BOARD SPACER, X2  VA1 PU49624-2 VARISTOR CN1 PU58844-109 CAP HOUSING CN2 PU58844-111Y CAP HOUSING CN3 PU58844-104 CAP HOUSING CN4 PU58844-105 CAP HOUSING CN5 PU58844-105 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN7 PU58844-108 CAP HOUSING CN8 PU58844-109 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN9 PU58844-112 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9		L553	PU48530-5R6J	COIL			,,
LPF1 PGZ00952 LOW PASS FILTER, (LPF1-1) LPF2 PGZ00953 LOW PASS FILTER, (LPF1-2) LPF3 PGZ006953 LOW PASS FILTER, (LPF2-1) LPF4 PGZ00679 LOW PASS FILTER, (LPF2-1) LPF5 PGZ00800 LOW PASS FILTER, (LPF2-1) LPF5 PGZ00800 LOW PASS FILTER, (LPF2-2)  DL1 PGZ0158 DELAY LINE  A X1 PGZ00677 CRYSTAL RESONATOR  K1 PGZ00677 CRYSTAL RESONATOR  K1 PGZ00672 CHIP FELITE, X7 (K1-K7)  CN12-14 PGZ00698-20 BOARD TO BOARD CN13-15 PGZ00698-24 BOARD TO BOARD  LD PGZ00606 BOARD HOLDER, X2  SPC1 PGZ00606 BOARD HOLDER, X2  SPC1 PGZ00605 BOARD SPACER, X2  VA1 PU49624-2 VARISTOR CN1 PU58844-109 CAP HOUSING CN2 PU58844-111Y CAP HOUSING CN3 PU58844-104 CAP HOUSING CN4 PU58844-105 CAP HOUSING CN5 PU58844-105 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN6 PU58844-107 CAP HOUSING CN7 PU58844-108 CAP HOUSING CN8 PU58844-109 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-107 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN9 PU58844-112 CAP HOUSING CN8 PU58844-112 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9 PU58844-1107 CAP HOUSING CN9					******	******	*********************
LPF2 PGZ00953 LOW PASS FILTER, (LPF1-2) LPF3 PGZ006093 LOW PASS FILTER LPF4 PGZ00799 LOW PASS FILTER, (LPF2-1) LPF5 PGZ00800 LOW PASS FILTER, (LPF2-1) DL1 PGZ01058 DELAY LINE  ###################################							
LPF3		LPF1	PG700952				
LPF4 PGZ00799 LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DL1 PGZ01058 DELAY LINE    PF5 PGZ00800				LOW PASS FILTER, (LPF1-1)			
DL1		LPF2	PGZ00953	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2)			
DL1 PGZ01058 DELAY LINE		LPF2	PGZ00953 PGZ00693	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER	****	*******	*********
No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.		LPF2 LPF3 LPF4	PGZ00953 PGZ00693 PGZ00799	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1)	**** * (	**************************************	**************************************
No.   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION   PRESENTATION		LPF2 LPF3 LPF4	PGZ00953 PGZ00693 PGZ00799	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1)	**** * (	**************************************	**************************************
Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process		LPF2 LPF3 LPF4 LPF5	PGZ00953 PGZ00693 PGZ00799 PGZ00800	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1)	**** * (	**************************************	**************************************
Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process   Mathematical Process		LPF2 LPF3 LPF4 LPF5	PGZ00953 PGZ00693 PGZ00799 PGZ00800	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)	**** * (	**************************************	**************************************
Chi		LPF2 LPF3 LPF4 LPF5	PGZ00953 PGZ00693 PGZ00799 PGZ00800	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)	**** * ( ****	************** 6.2.2 COLOR BOARD ***************	**************************************
K1 PGZ00627Z CHIP FELITE, X7 (K1-K7)  CN12.14 PGZ00698-20 BOARD TO BOARD  CN13.15 PGZ00698-24 BOARD TO BOARD  HD1 PGZ00606 BOARD HOLDER, X2  SPC1 PGZ00605 BOARD SPACER, X2  VA1 PU49624-2 VARISTOR  CN1 PU58844-109 CAP HOUSING  CN2 PU58844-114 CAP HOUSING  CN3 PU58844-104 CAP HOUSING  CN4 PU58844-106 CAP HOUSING  CN5 PU58844-106 CAP HOUSING  CN6 PU58844-106 CAP HOUSING  CN7 PU58844-107 CAP HOUSING  CN8 PU58844-108 CAP HOUSING  CN9 PU58844-106 CAP HOUSING  CN6 PU58844-106 CAP HOUSING  CN6 PU58844-107 CAP HOUSING  CN7 PU58844-108 CAP HOUSING  CN8 PU58844-105 CAP HOUSING  CN9 PU58844-105 CAP HOUSING  CN6 PU58844-105 CAP HOUSING  CN7 PU58844-105 CAP HOUSING  CN8 PU58844-105 CAP HOUSING  CN9 PU58844-107 CAP HOUSING  CN9 PU58844-107 CAP HOUSING  CN9 PU58844-107 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-112 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58844-110 CAP HOUSING  CN9 PU58845-110 CAP HOUSING  CN9 PU58845-110 CAP HOUSING  CN9 PU58845-110 CAP HOUSING  CN9 PU58845-110 CAP HOUSING  CN9 PU5885-110	LPF2 LPF3 LPF4 LPF5	PGZ00953 PGZ00693 PGZ00799 PGZ00800	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2) DELAY LINE	**** * ( ****	************** 6.2.2 COLOR BOARD ***************	**************************************	
CN12,14 PGZ00698-20 BOARD TO BOARD IC4 AN6308S IC IC5 AN6367S IC IC6 MN6163AS IC IC6 MN6163AS IC IC6 MN6163AS IC IC7 AN6308S IC IC6 MN6163AS IC IC7 AN6308S IC IC7 AN6308S IC IC7 AN6308S IC IC7 AN6308S IC IC7 AN6308S IC IC IC6 MN6163AS IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC7 AN6308S IC IC IC7 IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC IC7 AN6308S IC IC7 IC7 AN6308S IC IC7 AN6308S IC IC IC7 AN6308S IC IC7 IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SITOR IC7 AN6308SI	Δ	LPF2 LPF3 LPF4 LPF5	PGZ00953 PGZ00693 PGZ00799 PGZ00800	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2) DELAY LINE	**** * ( ****	************** 5.2.2 COLOR BOARC ************************************	**************************************
CN12,14 PGZ00698-20 BOARD TO BOARD CN13,15 PGZ00698-24 BOARD TO BOARD HD1 PGZ00606 BOARD HOLDER, X2 IC6 MN6163AS IC7  SPC1 PGZ00605 BOARD SPACER, X2 IC7 AN6308S IC7  SPC1 PGZ00605 BOARD SPACER, X2 IC7 AN6308S IC7  VA1 PU49624-2 VARISTOR Q2 2SC2778C TRANSISTOR Q2 2SC2778C TRANSISTOR Q4 2SC2778C TRANSISTOR Q5 2SC2778C TRANSISTOR Q6 2SC2778C TRANSISTOR Q6 2SC2778C TRANSISTOR Q6 2SC2778C TRANSISTOR Q7 2SC2778C TRANSISTOR Q8 2SC2778C TRANSISTOR Q8 2SC2778C TRANSISTOR Q8 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q9 2SC2778C TRANSISTOR Q10 2SC2778C TRANSISTOR Q10 2SC2778C TRANSISTOR Q10 2SC2778C TRANSISTOR Q10 2SC2778C TRANSISTOR Q11 2SC2778C TRANSISTOR Q12 2SC2778C TRANSISTOR Q12 2SC2778C TRANSISTOR Q12 2SC2778C TRANSISTOR Q13 2SC2778C TRANSISTOR Q14 DTC144EK TRANSISTOR Q14 DTC144EK TRANSISTOR Q15 2SC2778C TRANSISTOR Q16 2SC2778C TRANSISTOR Q17 2SA1022C TRANSISTOR Q17 2SA1022C TRANSISTOR Q17 2SA1022C TRANSISTOR Q17 2SA1022C TRANSISTOR Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC27	Δ	LPF2 LPF3 LPF4 LPF5 DL1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2) DELAY LINE CRYSTAL RESONATOR	**** * ( **** PWBA IC1	**************************************	COLOR BOARD ASSY
CN13,15 PGZ00698-24 BDARD TO BDARD  #D1 PGZ00606 BOARD HOLDER, X2 IC MN6163AS IC  SPC1 PGZ00605 BOARD SPACER, X2 Q1 DTA144EK TRANSISTOR  VA1 PU49624-2 VARISTOR Q2 2SC2778C TRANSISTOR  CN1 PU58844-109 CAP HOUSING Q4 2SC2778C TRANSISTOR  CN2 PU58844-111 CAP HOUSING Q6 2SC2778C TRANSISTOR  CN3 PU58844-104 CAP HOUSING Q6 2SC2778C TRANSISTOR  CN4 PU58844-106 CAP HOUSING Q7 2SC2778C TRANSISTOR  CN5 PU58844-106 CAP HOUSING Q7 2SC2778C TRANSISTOR  CN6 PU58844-10 CAP HOUSING Q8 2SA1022C TRANSISTOR  CN7 PU58844-10 CAP HOUSING Q9 2SD601A(QR) TRANSISTOR  CN6 PU58844-10 CAP HOUSING Q10 2SC2778C TRANSISTOR  CN7 PU58844-10 CAP HOUSING Q10 2SC2778C TRANSISTOR  CN8 PU58844-11 CAP HOUSING Q11 2SC2778C TRANSISTOR  CN9 PU58844-11 CAP HOUSING Q11 2SC2778C TRANSISTOR  CN9 PU58844-11 CAP HOUSING Q11 2SC2778C TRANSISTOR  CN9 PU58844-10 CAP HOUSING Q11 2SC2778C TRANSISTOR  CN9 PU58844-107 CAP HOUSING Q12 2SC2778C TRANSISTOR  CN10 PU58844-107 CAP HOUSING Q13 2SC2778C TRANSISTOR  CN10 PU58844-107 CAP HOUSING Q13 2SC2778C TRANSISTOR  Q14 DTC144EK TRANSISTOR  Q15 2SC2778C TRANSISTOR  Q16 2SC2778C TRANSISTOR  Q17 2SA1022C TRANSISTOR  Q18 2SC2778C TRANSISTOR  Q18 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q17 2SA1022C TRANSISTOR  Q18 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR  Q19 2SC2778C TRANSISTOR	Δ	LPF2 LPF3 LPF4 LPF5 DL1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2) DELAY LINE CRYSTAL RESONATOR	**** * ( **** PWBA IC1 IC2	*************** 6.2.2 COLOR BOARD ************************************	**************************************
HD1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)	***** * ( ***** PWBA IC1 IC2 IC3	**************************************	**************************************
HD1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD	***** * 6 ***** PWBA IC1 IC2 IC3 IC4	**************************************	COLOR BOARD ASSY IC
SPC1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD	***** * 6 ***** PWBA IC1 IC2 IC3 IC4 Å: IC5	**************************************	COLOR BOARD ASSY  IC IC IC IC IC IC IC
SPC1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD  BOARD TO BOARD	***** * 6 ***** PWBA IC1 IC2 IC3 IC4 Å IC5 IC6	**************************************	COLOR BOARD ASSY  IC IC IC IC IC IC IC
VA1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD  BOARD TO BOARD	***** * 6 ***** PWBA IC1 IC2 IC3 IC4 Å IC5 IC6	**************************************	INNEXEST OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T
VA1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD  BOARD TO BOARD	***** * 6 ***** PWBA IC1 IC2 IC3 IC4 Å IC5 IC6	**************************************	INNEXEST OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF T
PU49624-2   VARISTOR   Q3   2SC2778C   TRANSISTOR   Q4   2SC2778C   TRANSISTOR   Q5   2SC2778C   TRANSISTOR   Q6   2SC2778C   TRANSISTOR   Q6   2SC2778C   TRANSISTOR   Q6   2SC2778C   TRANSISTOR   Q7   2SC2778C   TRANSISTOR   Q7   2SC2778C   TRANSISTOR   Q8   2SA1022C   TRANSISTOR   Q8   2SA1022C   TRANSISTOR   Q8   2SA1022C   TRANSISTOR   Q9   2SD601A(QR)   TRANSISTOR   Q9   2SD601A(QR)   TRANSISTOR   Q10   2SC2778C   TRANSISTOR   Q10   2SC2778C   TRANSISTOR   Q10   2SC2778C   TRANSISTOR   Q10   2SC2778C   TRANSISTOR   Q11   2SC2778C   TRANSISTOR   Q12   2SC2778C   TRANSISTOR   Q13   2SC2778C   TRANSISTOR   Q14   DTC144EK   TRANSISTOR   Q15   2SC2778C   TRANSISTOR   Q16   2SC2778C   TRANSISTOR   Q16   2SC2778C   TRANSISTOR   Q16   2SC2778C   TRANSISTOR   Q17   2SA1022C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   TRANSISTOR   Q18   2SC2778C   T	۵	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD HOLDER, X2	*****  PWBA  IC1 IC2 IC3 IC4  Δ: IC5 IC6 IC7	**************************************	COLOR BOARD ASSY IC IC IC IC IC IC IC IC IC IC IC IC IC
CN1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD HOLDER, X2	*****  PWBA  IC1 IC2 IC3 IC4 di IC5 IC6 IC7	**************************************	ASSY 02 *  COLOR BOARD ASSY  IC  IC  IC  IC  IC  IC  IC  IC  IC  I
CN1	Δ	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD  BOARD HOLDER, X2  BOARD SPACER, X2	*****  PWBA  IC1 IC2 IC3 IC4 IC5 IC7 Q1	**************************************	ASSY 02 *  COLOR BOARD ASSY  IC  IC  IC  IC  IC  IC  IC  IC  IC  I
CN2	٨	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD  BOARD HOLDER, X2  BOARD SPACER, X2	*****  PWBA  IC1 IC2 IC3 IC4 Å IC5 IC6 IC7 Q1 Q2 Q3	**************************************	COLOR BOARD ASSY IC IC IC IC IC IC IC IC IC IC IC IC IC
CN3	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606 PGZ00605	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7 Q1 Q2 Q3 Q4	**************************************	AND AND AND AND AND AND AND AND AND AND
CN4	<b>д</b> .	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606 PGZ00605 PU49624-2 PU58844-109	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7 Q1 Q2 Q3 Q4	**************************************	AND AND AND AND AND AND AND AND AND AND
CN4	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606 PGZ00605 PU49624-2 PU58844-109 PU58844-111Y	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5	**************************************	ASSY 02 *  ASSY 02 *  *********************************
CN5	Ф.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12.14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN2 CN3	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606 PGZ00605 PU49624-2 PU58844-109 PU58844-111Y	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6	**************************************	######################################
CN6	Д	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN4	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00605 PU49624-2 PU58844-109 PU58844-111Y PU58844-104	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD TO BOARD  BOARD HOLDER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7	**************************************	COLOR BOARD ASSY  IC IC IC IC IC IC IC IC IC IC IC IC IC
CN7	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN4	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00606 PGZ00605 PU49624-2 PU58844-109 PU58844-111 PU58844-114 PU58844-108R	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i.C5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8	**************************************	ASSY 02 *  *********************************
CN8	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12.14 CN13.15 HD1 SPC1 VA1 CN1 CN2 CN3 CN4 CN5	PGZ00953 PGZ00693 PGZ00699 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-109 PU58844-111Y PU58844-111Y PU58844-108 PU58844-108 PU58844-106	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  WARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	******  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	**************************************	ASSY 02 *  COLOR BOARD ASSY  IC  IC  IC  IC  IC  IC  IC  IC  IC  I
CN9	<u>ά</u> .	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN4 CN5 CN6	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00606 PGZ00605 PU49624-2 PU58844-109 PU58844-104 PU58844-108R PU58844-108R PU58844-108R PU58844-106 PU58844-9	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  WARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	******  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	**************************************	ASSY 02 *  COLOR BOARD ASSY  IC  IC  IC  IC  IC  IC  IC  IC  IC  I
CN10 PU58844-109 CAP HOUSING Q13 2SC2778C TRANSISTOR Q14 DTC144EK TRANSISTOR Q15 2SC2778C TRANSISTOR Q16 2SC2778C TRANSISTOR Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR		LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12.14 CN13.15 HD1 SPC1 VA1 CN2 CN3 CN4 CN5 CN6 CN6 CN7	PGZ00953 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00957 PGZ00627Z PGZ00698-20 PGZ00698-24 PGZ00605 PU49624-2 PU58844-109 PU58844-111Y PU58844-104 PU58844-108 PU58844-108 PU58844-9 PU58844-9 PU58844-9	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 in IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10	**************************************	ASSY 02 *  COLOR BOARD ASSY  IC  IC  IC  IC  IC  IC  IC  IC  IC  I
Q14 DTC144EK TRANSISTOR Q15 2SC2778C TRANSISTOR Q16 2SC2778C TRANSISTOR Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN4 CN5 CN4 CN5 CN6 CN6 CN7 CN8	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00605 PU49624-2 PU58844-109 PU58844-111Y PU58844-111Y PU58844-106 PU58844-106 PU58844-105 PU58844-105 PU58844-105 PU58844-105 PU58844-105 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11	**************************************	ASSY 02 *  ASSY 02 *  *********************************
Q15 2SC2778C TRANSISTOR Q16 2SC2778C TRANSISTOR Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  *****  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12	**************************************	ASSY 02 *  ASSY 02 *  *********************************
Q15 2SC2778C TRANSISTOR Q16 2SC2778C TRANSISTOR Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  *****  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12	**************************************	ASSY 02 *  ASSY 02 *  *********************************
Q16 2SC2778C TRANSISTOR Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13	**************************************	COLOR BOARD ASSY  IC IC IC IC IC IC IC IC IC IC IC IC IC
Q17 2SA1022C TRANSISTOR Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 iC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10  Q11 Q12 Q13 Q14	**************************************	ASSY 02 *  *********************************
Q18 2SC2778C TRANSISTOR Q19 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  *****  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10  Q11 Q12 Q13 Q14 Q15	**************************************	ASSY 02 *  ASSY 02 *  *********************************
Q19 2SC2778C TRANSISTOR		LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16	**************************************	######################################
	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	******  PWBA  IC1 IC2 IC3 IC4 in IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17	**************************************	ASSY 02 *  *********************************
Q20 2SC2778C TRANSISTOR	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	*****  PWBA  IC1 IC2 IC3 IC4 i. IC5 IC6 IC7  Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10 Q11 Q12 Q13 Q14 Q15 Q16 Q17 Q18 Q17 Q18	**************************************	ASSY 02 *  ASSY 02 *  *********************************
	Δ.	LPF2 LPF3 LPF4 LPF5 DL1 X1 K1 CN12,14 CN13,15 HD1 SPC1 VA1 CN1 CN2 CN3 CN5 CN6 CN6 CN7 CN6 CN7 CN8 CN9	PGZ00953 PGZ00693 PGZ00693 PGZ00799 PGZ00800 PGZ01058 PGZ00627Z PGZ00627Z PGZ00698-24 PGZ00606 PGZ00606 PGZ00605 PU49624-2 PU58844-111Y PU58844-111Y PU58844-1108 PU58844-106 PU58844-106 PU58844-106 PU58844-112 PU58844-112	LOW PASS FILTER, (LPF1-1) LOW PASS FILTER, (LPF1-2) LOW PASS FILTER LOW PASS FILTER, (LPF2-1) LOW PASS FILTER, (LPF2-2)  DELAY LINE  CRYSTAL RESONATOR  CHIP FELITE, X7 (K1-K7)  BOARD TO BOARD BOARD TO BOARD BOARD HOLDER, X2  BOARD SPACER, X2  VARISTOR  CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING	************************************	**************************************	COLOR BOARD ASSY  IC  IC  IC  IC  IC  IC  IC  IC  IC  I

#A REF NO.		PART NAME, DESCRIPTION			PART NO.	PART NAME, DESCRIPTION
			1	R34	QRSA08J-560YN	RESISTOR
Q21	2SC2778C	TRANSISTOR	1	R35	QRSAO8J-222YN	RESISTOR
Q23	2SC2778C	TRANSISTOR		R36	QRSA08J-122YN	RESISTOR
Q24	2SC2778C	TRANSISTOR		R37	QRSA08J-271YN	RESISTOR
Q25	2SC2778C	TRANSISTOR		R38	QVZ3531~472	V RESISTOR
Q26	DTC144EK	TRANSISTOR		R39	QRSA08J-101YN	RESISTOR
Q27	2SC2778C	TRANSISTOR		R40	QRSA08J-471YN	RESISTOR
Q28	2SA1022C	TRANSISTOR	}			
Q29	2SC2778C	TRANSISTOR		R41	QRSA08J-122YN	RESISTOR
Q30	2SC2778C	TRANSISTOR		R42	QRSA08J-223YN	RESISTOR
				R43	QRSA08J-103YN	RESISTOR
Q31	2SC2778C	TRANSISTOR		R44	QVZ3531-222	V RESISTOR
Q32	2SC2778C	TRANSISTOR		R45	QRSA08J-102YN	RESISTOR
Q33	2SC2778C	TRANSISTOR		R46	QRSA08J-152YN	RESISTOR
Q34	2SC2778C	TRANSISTOR		R47	QRSA08J-103YN	RESISTOR
Q35	2SC2778C	TRANSISTOR		R48	QRSA08J-473YN	RESISTOR
Q36	2SC2778C	TRANSISTOR		R49	QRSA08J-103YN	RESISTOR
Q37	DTA144EK	TRANSISTOR		R50	QRSA08J~152YN	RESISTOR
Q38	DTC144EK	TRANSISTOR	· '		4.0.000	
Q39	2SC2778C	TRANSISTOR		R51	QVZ3531-332	V RESISTOR
Q40	2SA1022C	TRANSISTOR		R52	QVZ3531-102	V RESISTOR
				R53	QRSA08J-102YN	RESISTOR
Q41	2SC2778C	TRANSISTOR		R54	QRSA08J-102YN	RESISTOR
Q42	2SC2778C	TRANSISTOR		R55	QRSAO8J-183YN	RESISTOR
Q43	2SC2778C	TRANSISTOR	1	R56	QRSA08J-103YN	RESISTOR
<b>Q44</b>	DTC144EK	TRANSISTOR		R57	QRSA08J~102YN	RESISTOR
Q45	2SC2778C	TRANSISTOR	1	R58	QRSA08J-472YN	RESISTOR
Q46	2SA1022C	TRANSISTOR	j	R59	QRSAD8J-151YN	RESISTOR
Q47	2SC2778C	TRANSISTOR		R60	QRSA08J-561YN	RESISTOR
Q48	2SK621	FE TRANSISTOR	1			
Q49	2SK621	FE TRANSISTOR	1	R61	QVZ3531-473	V RESISTOR
		FE TRANSISTOR			QRSA08J-103YN	RESISTOR
Q50	2SK621	FE TRANSISTOR	1	R62		
				R63	QRSA08J-104YN	RESISTOR
Q51	2SC2778C	TRANSISTOR		R64	QRSAD8J-182YN	RESISTOR
				R65	QRSA08J-332YN	RESISTOR
D1	DAN202K	CHIP DIODE ARRAY	1	R66	QRSA08J-822YN	RESISTOR
D2	DAN202K	CHIP DIODE ARRAY	ł	R67	QRSA08J-152YN	RESISTOR
				R68	QRSAD8J-682YN	RESISTOR
R1	QRSA08J-562YN	RESISTOR	1	R69	QRSAO8J-682YN	RESISTOR
R2	QRSA08J-183YN	RESISTOR		R70	QRSAO8J-152YN	RESISTOR
R3	QRSA08J-103YN	RESISTOR	1			
R4	QRSA08J-102YN	RESISTOR	1	R71	QRSAO8J-103YN	RESISTOR
R5	QRSA08J-102YN	RESISTOR	ļ	R72	QRSAO8J-103YN	RESISTOR
R6	QRSA08J-102YN	RESISTOR		R73	QRSA08J-333YN	RESISTOR
R7	QRSA08J-103YN	RESISTOR		R74	QRSA08J-103YN	RESISTOR
RB	QRSAD8J-183YN	RESISTOR		R75	QRSA08J-103YN	RESISTOR
R 9	QRSA08J-222YN	RESISTOR		R76	QRSA08J-273YN	RESISTOR
RÍO		RESISTOR		R77	QRSA08J-393YN	RESISTOR
K 10	QRSA08J-103YN	RESISTOR		R78	QRSA08J-682YN	RESISTOR
		Proverso			QRSA08J-223YN	
R11	QRSA08J-103YN	RESISTOR		R79	•	RESISTOR
R12	QRSA08J-222YN	RESISTOR	l	R80	QRSA08J-682YN	RESISTOR
R13	QRSA08J-561YN	RESISTOR	1			05070700
R14	QRSA08J-273YN	RESISTOR		R81	QRSA08J-102YN	RESISTOR
R15	QRSA08J-183YN	RESISTOR		R82	QRSA08J-562YN	RESISTOR
R16	QRSA08J-102YN	RESISTOR		R83	QRSA08J-331YN	RESISTOR
R17	QRSA08J-102YN	RESISTOR		R84	QRSAO8J-562YN	RESISTOR
R18	QRSA08J-222YN	RESISTOR		R85	QRSAG8J-103YN	RESISTOR
R19	QRSA08J-103YN	RESISTOR	l	R86	QRSAD8J-103YN	RESISTOR
R20	QRSA08J-183YN	RESISTOR	l	R87	QRSA08J-682YN	RESISTOR
				R88	QRSAO8J-103YN	RESISTOR
R21	QRSA08J-222YN	RESISTOR		R89	QRSA08J-123YN	RESISTOR
R22	QRSA08J-102YN	RESISTOR	1	R90	QRSA08J-102YN	RESISTOR
R23	QRSA08J-102YN	RESISTOR	1			
R24	QRSA08J-152YN	RESISTOR	l	R91	QRSAO8J-181YN	RESISTOR
		RESISTOR		R92	QRSA08J-103YN	RESISTOR
R25	QRSA08J-103YN					
R26	QRSA08J-183YN	RESISTOR		R93	QRSA08J-333YN QRSA08J-272YN	RESISTOR
R27	QRSA08J-561YN	RESISTOR		R94		RESISTOR
R28	QRSA08J-471YN	RESISTOR		R95	QRSAOBJ-681YN	RESISTOR
R29	QRSA08J-122YN	RESISTOR		R96	QRSA08J-331YN	RESISTOR
R30	QRSA08J-183YN	RESISTOR		R97	QRSA08J-223YN	RESISTOR
				R98	QRSA08J-102YN	RESISTOR
R31	QRSA08J-822YN	RESISTOR		R99	QRSA08J-223YN	RESISTOR
R32	QVZ3531-102	V RESISTOR	1	R100	QRSA08J-103YN	RESISTOR
R33	QRSA08J-561YN	RESISTOR	l			
-						

**		PART NO.	PART NAME, DESCRIPTION	*4	REF NO.	PART NO.	PART NAME, DESCRIPTION
	R101	QRSA08J-102YN	RESISTOR				
	R102	QRSA08J-561YN	RESISTOR		C21	QEE41CM-106	TANTAL CAPACITOR
	R103	QRSAD8J-151YN	RESISTOR	l	C22	QCYA1HK-223	CAPACITOR
	R104	QRSA08J-333YN	RESISTOR	1	C23	QER40JM-476	E CAPACITOR
	R105	QRSA08J-223YN	RESISTOR		C24	QCYA1HK-223	CAPACITOR
	R106	QRSA08J-102YN	RESISTOR		C25	QER41HM-105	
	R107	QRSA08J-102YN	RESISTOR		C26		E CAPACITOR
	R108	QVZ3531-102	V RESISTOR		C27	QER40JM-476	E CAPACITOR
	R109	QRSA08J-102YN	RESISTOR		C28	QCYA1HK-223	CAPACITOR
	R110	QRSA08J-102YN	RESISTOR		C29	QCYA1HK-103	CAPACITOR
						QCYA1HK-103	CAPACITOR
	R111	QRSA08J-102YN	RESISTOR		C30	QCSA1HJ-101	CAPACITOR
	R112	QVZ3531-102	V RESISTOR		671	00741111 102	0.0.0.0000
	R113	QRSA08J-102YN	RESISTOR		C31	QCYA1HK~103	CAPACITOR
	R114	QRSA08J-103YN	RESISTOR		C32	QCYA1HK-223	CAPACITOR
	R115	QRSA08J-682YN	RESISTOR		C33	QCYA1HK-223	CAPACITOR
	R116	QRSA08J-561YN	RESISTOR		C34	QER40JM-476	E CAPACITOR
	R117	QRSA08J-102YN	RESISTOR		C35	QCYA1HK-223	CAPACITOR
	R118	QRSA08J-562YN	RESISTOR		C36	QCYA1HK-103	CAPACITOR
	R119	QVZ3531-102	V RESISTOR		C37	QCYA1HK-102	CAPACITOR
	R120	QVZ3531-222	V RESISTOR		C38	QCTA1CH-151	CAPACITOR
		4123331 222	V RESISION		C40	QCYA1HK-223	CAPACITOR
	R121	OPSAGR 1-673VN	DESTSTOR				
	R121	QRSAO8J-473YN	RESISTOR		C41	QCYA1HK-103	CAPACITOR
	R123	QRSA08J-473YN QRSA08J-103YN	RESISTOR		C42	QCYA1HK-103	CAPACITOR
	R124		RESISTOR		C43	QER41HM-104	E CAPACITOR
		QRSA08J-222YN	RESISTOR		C44	QCYA1HK-103	CAPACITOR
	R125 R126	QRSA08J-103YN	RESISTOR		C45	QCYA1HK-183	CAPACITOR
		QRSA08J-223YN	RESISTOR		C46	QER41HM-105	E CAPACITOR
	R127	QRSA08J-223YN	RESISTOR		C48	QCYAIHK-682	CAPACITOR
	R128	QRSA08J-103YN	RESISTOR		C49	QER41EM-475	E CAPACITOR
	R129	QRSA08J-103YN	RESISTOR		C50	QEE41CM-335	T CAPACITOR
	R130	QRSA08J-183YN	RESISTOR				
	0171				C51	QER40JM~476	E CAPACITOR
	R131	QRSA08J-102YN	RESISTOR		C52	QCYA1HK-102	CAPACITOR
	R132	QRSA08J-561YN	RESISTOR		C54	QAT3001-011	TRIMMER CAPACITOR
	R133	QRSA08J-273YN	RESISTOR		C55	QCYA1HK-223	CAPACITOR
	R134	QRSA08J-103YN	RESISTOR		C56	QCYA1HK-223	CAPACITOR
	R135	QRSA08J-102YN	RESISTOR		C57	QER40JM-107	E CAPACITOR
	R136	QRSA08J-223YN	RESISTOR		C58	QCYA1HK-223	CAPACITOR
	R137	QRSA08J-102YN	RESISTOR		C59	QCSA1HJ-680	CAPACITOR
	R138	QRSA08J-560YN	RESISTOR		C60	QCYA1HK-223	CAPACITOR
	R139	QRSA08J-223YN	RESISTOR				
	R140	QRSA08J-223YN	RESISTOR		C63	QER40JM-107	E CAPACITOR
	0141				C64	QCYA1HK-223	CAPACITOR
	R141	QRSA08J-102YN	RESISTOR		C65	QCYA1HK-223	CAPACITOR
	R142	QRSA08J-222YN	RESISTOR		C67	QCYA1HK~472	CAPACITOR
	R143	QRSA08J-102YN	RESISTOR		C68	QCYA1HK-103	CAPACITOR
	R144	QRSA08J-272YN	RESISTOR		C69	QCSA1HJ~470	CAPACITOR
	R145	QRSA08J-272YN	RESISTOR		C70	QCYA1HK-103	CAPACITOR
	R146	QRSA08J-272YN	RESISTOR				
	R147 R148	QRSA08J-222YN	RESISTOR		C71	QER41HM-105	E CAPACITOR
	K140	QRD161J-151	RESISTOR		C72	QCYA1HK-223	CAPACITOR
	Cl	QCYA1HK-223	CARACTTOR		C73	QCYA1HK-103	CAPACITOR
	C2		CAPACITOR	- 1	C74	QCYA1HK-562	CAPACITOR
		QCYA1HK-223 QCYA1HK-223	CAPACITOR		C75	QCSA1HJ-220	CAPACITOR
		QCYA1HK-103	CAPACITOR	- 1	C76	QCFA1EZ-473	CAPACITOR
	C5		CAPACITOR		C77	QCYA1HK-103	CAPACITOR
		QCYA1HK-103 QCYA1HK-223	CAPACITOR		C78	QCSA1HJ-151	CAPACITOR
			CAPACITOR		C79	QCYA1HK-223	CAPACITOR
		QCYA1HK-223	CAPACITOR		C80	QER40JM-476	E CAPACITOR
		QER41CM-106	E CAPACITOR				
		QCYA1HK-223	CAPACITOR			QCYA1HK-223	CAPACITOR
	-10	QCYA1HK-223	CAPACITOR			QCSA1HJ-101	CAPACITOR
	C11	05040144.474			C84	QCYA1HK-223	CAPACITOR
		QER40JM-476	E CAPACITOR			QCYA1HK-103	CAPACITOR
		QCYA1HK-223	CAPACITOR		C86	QCYA1HK-223	CAPACITOR
		QCYA1HK-223	CAPACITOR			QCYA1HK-223	CAPACITOR
		QCYA1HK-223	CAPACITOR		C88	QER40JM-476	E CAPACITOR
		QCYA1HK-223	CAPACITOR		C89	QCYA1HK-223	CAPACITOR
		QCYA1HK-223	CAPACITOR	(	C90	QCYA1HK-102	CAPACITOR
		QCYA1HK-223	CAPACITOR				
		QER40JM-476	E CAPACITOR			QCYA1HK-102	CAPACITOR
		QCYA1HK-223	CAPACITOR			QER41CM-106	E CAPACITOR
•	220	QCYA1HK-223	CAPACITOR	•	C93	QER41CM-106	E CAPACITOR

	. PART NO.			PÀRT NO.	PART NAME, DESCRIPTION
C94	QCSA1HJ-181 QCYA1HK-223 QCSA1HJ-270 QCYA1HK-223 QCTA1CH-7R0	CAPACITOR	IC5	BAF6305	IC
	#C3#1N3-101	CAPACITOR	IC6	BA6328F	IC
C95	QCYAIRK-223	CAPACITOR	IC7	BA6302AF	ic
C96	QCSA1HJ-270	CAPACITOR			IC
C97	QCYA1HK-223	CAPACITOR	IC8	BA6993F	
C98	QCTA1CH-7R0	CAPACITOR	À IC9	MN50005JVES	IC
C99	QCSA1HJ-681	CAPACITOR	IC10	BA226F	IC
C100	QCSA1HJ-331	CAPACITOR			
			IC11	MN4053BS	IC
C102	QCFA1EZ-104	CAPACITOR	IC12	HA11780MP	IC
C103	QCSA1HJ-151	CAPACITOR	<b>À</b> IC13	UPD7564G-523	IC
C104		CAPACITOR	<b>⚠</b> IC14	BA833F	IC
C105	QER40JM-476	E CAPACITOR	1015	MN4081BS	ic
0105	42K40011 470	2 OAI NOTTON	IC16	UPD4066BG	IC
	DUETOOT 003 !	0071	IC17	UPC324G2	IC
L1	PU53223-221J	COIL		UPC339G2	ic
rs	PU53223-471J	COIL	IC18		
L3	PU53223-150J	COIL	IC19	AN6913	IC
L4	PU53223-221J	COIL	IC20	BA225F	IC
L5	PU53223-221J	COIL			
L6	PGZ01024-02	COIL	IC21	MN4069UBS	IC
L7	PU53223-150J	COIL	IC22	MN4053BS	IC
Ľ8	PU53223-471J	COIL	IC23	TC4S69F	IC
L9	PU53223-221J	COIL	IC24	BA4558F	IC
.,			IC25	TC4S69F	IC
1 7 7	PU53223-221J	COIL		*	
L11			Q1	2SC2411K(QR)	TRANSISTOR
L12	PU53223-470J	COIL			TRANSISTOR
L13	PU53223-221J	COIL	Q2 07	DTC124EK	TRANSISTOR
L14	PU53618-821J	COIL	Q3	DTC124EK	
Ł15	PU53223-471J	COIL	Q4	DTC144EK	TRANSISTOR
L16	PGZ01025	COIL	Q5	DTC124EK	TRANSISTOR
L17	PU53223-221J	COIL	Q6	DTC124EK	TRANSISTOR
L18	PU53223-221J	COIL	Q7	2SC2412K(RS)	TRANSISTOR
L19	PU53223-470J	COIL	Q8	2SA1037K	TRANSISTOR
L20	PU53223-680J	COIL	99	2SK621	FE TRANSISTOR
	. 030220 0000		Q10	2SK621	FE TRANSISTOR
L21	PU48530-390J	COIL	-		
221	F040530-3700	0012	Q11	2SK621	FE TRANSISTOR
1.051	BC701027-07	LOW PASS FILTER	Q12	2SC2412K(RS)	
LPF1	PGZ01023-03		Q13	2SK208	FE TRANSISTOR
LPF2	PGZ01023-02	LOW PASS FILTER			
		04ND D400 FT1 TFD	Q14	2SC2412K(RS)	
BPF1	PGZ01020-03	BAND PASS FILTER	Q15	2SC2412K(RS)	TRANSISTOR
BPF2	PGZ01021-03	BAND PASS FILTER	Q16	DTA124EK	TRANSISTOR
BPF3	PGZ01022-02	BAND PASS FILTER	Q17	DTC124EK	TRANSISTOR
			Q18	2SC2412K(RS)	
DL1	PU58971-3	COMB FILTER	Q19	2SA1037K	TRANSISTOR
DL2	PGZ01019	DELAY LINE	Q20	2SC2412K(RS)	TRANSISTOR
<b>A</b> X1	PU31449-4K	CRYSTAL RESONATOR	Q21	DTA124EK	TRANSISTOR
	, , , , , , , , , , , , , , , , , , , ,		Q22	DTC124EK	TRANSISTOR
TO CHE	PU56008	TEST-PIN, X2	Q23	2SA1037K	TRANSISTOR
11 0112	, , 050000	12011111,112	Q24	2SC2412K(RS)	TRANSISTOR
TDI	00701015	CHIP TEST-PIN, X11	Q25	2SA1037K	TRANSISTOR
TPl	PGZ01015	CHIE TEST-FIN, ATT			TRANSISTOR
<b>A</b>	DUEDR// 110	CAR HOUSTNO	Q26	DTC124EK	
CN1		CAP HOUSING	Q27	DTC124EK	TRANSISTOR
CN2		CAP HOUSING	<b>∆</b> Q28	2SA1282AF	TRANSISTOR
CN3	PU58844-102	CAP HOUSING	Q29	DTC124EK	TRANSISTOR
CN4	PGZ00723-10	CONNECTOR	Q30	DTC124EK	TRANSISTOR
CN5	PGZ00723-11	CONNECTOR	1		
CN6		CAP HOUSING	Dl	DA204K	DIODE
CN7	PU51945-07	CAP HOUSING	D2	DAN202K	DIODE
			D3	DA204K	DIODE
茶茶 苹 茶香 乔 乔 齐 东 7	**********	***********	D4	188133	DIODE
			D5	DA204K	DIODE
		Ì	D6	DAN202K	DIODE
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***********		DA204K	DIODE
***			D7		DIODE
*	6.2.3 SERVO BO		08	DA204K	
***	**********	************	D9	DA204K	DIONE
			D10	DAN202K	DIODE
PWBA	PGE10096A-01	SERVO BOARD ASSEMBLY	D11	DA204K	DIODE
		j	D12	DAN202K	DIODE
ICI	BAF6305	IC	D13	110004	DIODE
1C2	UPD4030BG	IC	D14	152473	DIODE
103	M50767-604P	IC	D15	DAN202K	DIODE
103	BA6302AF	ic	D16	DAP202K	DIODE
104	570702A		,	J	- '

#A R	REF NO.	PART NO.	PART NAME, DESCRIPTION	*A	REF NO.	PART NO.	PART NAME, DESCRIPTION
					R69	QRSA08J-272YN	RESISTOR
	1	QRSA08J-103YN	RESISTOR	l	R70		
	2	QRSA08J-102YN	RESISTOR		K70	QRSA08J-222YN	RESISTOR
	3	QRSA08J-684YN	RESISTOR		R71	OBCAGO L ZOZVNI	nrozozon.
	14	QRSA08J-332YN		1		QRSA08J-393YN	RESISTOR
			RESISTOR		R73	QRSA08J-224YN	RESISTOR
	15	QRSA08J-331YN	RESISTOR	١.	R74	QRSA08J-682YN	RESISTOR
	16	QRSA08J-222YN	RESISTOR	_ <b>∆</b>	R75	QRSA08J-OROY	RESISTOR
	17	QRSA08J-103YN	RESISTOR	ì	R76	QRSA08J-153YN	RESISTOR
	8	QRSA08J-821YN	RESISTOR		R77	QRSA08J-153YN	RESISTOR
	19	QRSA08J-102YN	RESISTOR		R78	QRSA08J-392YN	RESISTOR
R	10	QRSA08J-103YN	RESISTOR		R79	QRSA08J-103YN	RESISTOR
					R80	PGZ00956	RESISTOR ARRAY
R	112	QRSA08J-224YN	RESISTOR	l			
R	13	QRSA08J-684YN	RESISTOR	l	R81	QRSA08J-563YN	RESISTOR
R	114	QRSA08J-103YN	RESISTOR	ļ	R82	QRSA08J-103YN	RESISTOR
R	15	QRSAD8J-103YN	RESISTOR	ł	R83	QRSA08J-102YN	RESISTOR
	16	QRSA08J-103YN	RESISTOR		R84	QRSA08J-104YN	RESISTOR
	17	QRSA08J-472YN	RESISTOR	ļ	R85	QRSA08J-103YN	
	18	QRSA08J-103YN	RESISTOR	ì	R86		RESISTOR
	19			l		QRSA08J-333YN	RESISTOR
		QRSA08J-683YN	RESISTOR		R87	QRSA08J-102YN	RESISTOR
	20	QRSA08J-223YN	RESISTOR	ŀ	R88	QRSA08J-332YN	RESISTOR
_				i	R89	QRSAO8J~333YN	RESISTOR
	21	QRSA08J-223YN	RESISTOR		R90	QRSA08J-562YN	RESISTOR
	22	QRSA08J-223YN	RESISTOR				
R	23	QRSA08J-223YN	RESISTOR		R91	QRSA08J-334YN	RESISTOR
R	24	QRSAD8J-223YN	RESISTOR		R92	QRSA08J-472YN	RESISTOR
R	25	QRSAD8J-103YN	RESISTOR		R93	QRSA08J-222YN	RESISTOR
	26	QRSA08J-223YN	RESISTOR		R95	QRSA08J-682YN	RESISTOR
	27	QVZ3531-104	V RESISTOR , DRUM DISCRI		R96	QRSA08J-103YN	RESISTOR
	28	QRSA08J-224YN	RESISTOR		R97	QRSA08J-103YN	
	29	QRSAD8J-104YN	RESISTOR		R98		RESISTOR
	30	QRSA08J-822YN			R99	QRSA08J-105YN	RESISTOR
'n	.50	WASAGOS-GEETA	RESISTOR			QRSA08J-331YN	RESISTOR
_				•	R100	QRSA08J-103YN	RESISTOR
	31	QRSA08J-223YN	RESISTOR				
	32	QRSAD8J-103YN	RESISTOR		R101	QRSA08J-103YN	RESISTOR
	33	QRSAD8J-472YN	RESISTOR		R102	QRSAD8J-104YN	RESISTOR
R	34	QRSA08J-563YN	RESISTOR		R103	QVZ3531-474	V RESISTOR , CH2 SW POS
R	35	QRSAD8J-564YN	RESISTOR		R104	QRSA08J-104YN	RESISTOR
R	36	QRSAD8J-682YN	RESISTOR		R105	QVZ3531-474	V RESISTOR , CHI SW POS
R	37	QRSAD8J-123YN	RESISTOR		R106	QRSA08J-104YN	RESISTOR
R	38	QRSAD8J-103YN	RESISTOR		R107	QRSAD8J-103YN	RESISTOR
R	39	QRSA08J-102YN	RESISTOR		R108	QRSA08J-223YN	RESISTOR
R	40	QRSA08J-223YN	RESISTOR		R110	QRSA08J-223YN	RESISTOR
			·				
R	41	QRSA08J-102YN	RESISTOR		R111	QRSA08J-223YN	RESISTOR
	42	QRSA08J-103YN	RESISTOR		R112	QRSA08J-473YN	RESISTOR
	43	QRSAD8J-223YN	RESISTOR		R113	QVZ3531-224	
	44	QRSAD8J-223YN	RESISTOR		R114		V RESISTOR , V P WIDTH
						QVZ3531-224	V RESISTOR , H PDELAY
	45	QVZ3531-153	V RESISTOR , H DISCRI		R115	QRSAD8J-103YN	RESISTOR
	46	QRSA08J-513YN	RESISTOR		R116	QRSA08F-394YN	RESISTOR
	47	QRD167J-472	RESISTOR		R117	QRSA08F-394YN	RESISTOR
	48	QRSA08J-184YN	RESISTOR		R118	QRSA08J-223YN	RESISTOR
	49	QVZ3531-473	V RESISTOR , CAP DISCRI		R119	QRSA08J-223YN	RESISTOR
R	50	QRSAO8J-823YN	RESISTOR		R120	QRSA08J-223YN	RESISTOR
R	51	QRSAD8J-823YN	RESISTOR		R121	QRSA08J-102YN	RESISTOR
R	52	QRSA08J-222YN	RESISTOR		R122	QRSA08J-102YN	RESISTOR
	53	QRSA08J-334YN	RESISTOR		R123	QRSA08J-223YN	RESISTOR
	54	QRSA08J-333YN	RESISTOR		R124	QRSA08J-223YN	RESISTOR
	55	QRSA08J-103YN	RESISTOR		R125	QRSA08J-824YN	RESISTOR
	56	QRSA08J-104YN	RESISTOR		R126	QRSA08J-684YN	
	57	QRSA08J-105YN	RESISTOR				RESISTOR
	5 <i>1</i> 58	QRSA08J-103YN	RESISTOR		R127	QVZ3531-474	V RESISTOR, -X1 SUB TR
					R128	QRSA08J-103YN	RESISTOR
	59 40	QRSA08J-102YN	RESISTOR			QRSA08J-394YN	RESISTOR
R	60	QRSA08J-103YN	RESISTOR		R130	QRSA08J-223YN	RESISTOR
	61	QRSA08J-123YN	RESISTOR		R131	QRSA08J-334YN	RESISTOR
	62	QRSAD8J-222YN	RESISTOR		R132	QRSA08J-104YN	RESISTOR
R	63	QRSAD8J-222YN	RESISTOR		R133	QRSA08J-393YN	RESISTOR
R	64	QRSA08J-102YN	RESISTOR			QRSA08J-224YN	RESISTOR
	65	QRSA08J-222YN	RESISTOR		R135	QRSA08J-102YN	RESISTOR
	66	QRSA08J-102YN	RESISTOR				RESISTOR
	67	QRSA08J-272YN	RESISTOR				RESISTOR
	68	QRSA08J-272YN	RESISTOR				
	- <del>-</del>	E				4.53331-103	V RESISTOR , SUB TR

# <u>&amp;</u>	REF NO.	PART NO.	PART NAME, DESCRIPTION	#A REF NO.	PART NO.	PART NAME, DESCRIPTION
	R139	QRSA08J-103YN	RESISTOR	R209	QRSA08J-103YN	
	R141	QRSAO8J-223YN	RESISTOR	R210	QRSA08J-334YN	RESISTOR
	R142	QRSA08J-393YN	RESISTOR	Cı	OEB43UM_10E	E CAPACITOR
				1	QER41HM-105	
	R143	QRSA08J-333YN	RESISTOR	C2	QCYA1HK-682	CAPACITOR
	R144	QRSA08J-104YN	RESISTOR	C3	QCYA1HK-472	CAPACITOR
	R145	QRSA08J-473YN	RESISTOR	C4	QER40JM-226	E CAPACITOR
	R147	QVZ3531-104	V RESISTOR , REC SW POS-1	C5	QER41CM-226	E CAPACITOR
	R148	QRSAD8J-105YN	RESISTOR	C6	QER41CM-476	E CAPACITOR
	R149	QRSA08J-394YN	RESISTOR	C7	QCYA1HK-102	CAPACITOR
4				C8		CAPACITOR
42	R150	QRSA08J-104YN	RESISTOR		QCYA1HK-102	
				C9	QER41CM-476	E CAPACITOR
	R151	QRSA08J-223YN	RESISTOR	C10	QER41CM-476	E CAPACITOR
	R152	QRSA08J-103YN	RESISTOR			
	R 153	QRSA08J-103YN	RESISTOR	C11	QCYA1HK-102	CAPACITOR
	R154	QRSA08J-682YN	RESISTOR	C12	QER41CM-107	E CAPACITOR
	R155	QRSA08J-823YN	RESISTOR	C13	QER41CM-476	E CAPACITOR
	R156	QRSA08J-103YN	RESISTOR	C14	QCYA1HK-102	CAPACITOR
				C15		CAPACITOR
	R157	QRSA08J-272YN	RESISTOR		QCTA1CH-101	
	R158	QRSA08J-824YN	RESISTOR	C16	QER41CM-476	E CAPACITOR
	R 159	QRSA08J-564YN	RESISTOR	C17	QCYA1HK-102	CAPACITOR
	R160	QRSA08J-105YN	RESISTOR	C18	QFP42AJ-272	PP CAPACITOR
				C19	QCYA1HJ-103	CAPACITOR
	R161	QRSA08J-334YN	RESISTOR	C20	QCYA1HK-102	CAPACITOR
	R162	QRSA08J-103YN	RESISTOR			
	R163	QRSA08J-473YN	RESISTOR	C21	QER41CM-476	E CAPACITOR
	R164	QRSA08J-684YN	RESISTOR	C22	QCYA1HK-223	CAPACITOR
	R165		RESISTOR	C23	QER41AM-226	E CAPACITOR
		QRSA08J-103YN				
	R166	QRSA08J-474YN	RESISTOR	C24	QCTA1CH-101	CAPACITOR
	R167	QRSA08J-103YN	RESISTOR	C25	QCYA1HK-103	CAPACITOR
	R168	QRSA08J-103YN	RESISTOR	C26	QER41CM-106	E CAPACITOR
	R169	QRSA08J-103YN	RESISTOR	C27	QER41CM-226	E CAPACITOR
	R170	QRSA08J-105YN	RESISTOR	C28	QCYA1HK-333	CAPACITOR
				C29	QER41CM-476	E CAPACITOR
	R171	QRSAD8J-563YN	RESISTOR	C30	QCYA1HK-123	CAPACITOR
	R172	QRSA08J-OROY	RESISTOR			
	R173	QRSA08J-222YN	RESISTOR	C31	QCYA1HK-102	CAPACITOR
	R174			C32		
		QRSA08J-123YN	RESISTOR		QFP42AJ-102	PP CAPACITOR
	R175	QRSA08J-123YN	RESISTOR	C33	QCYA1HK-102	CAPACITOR
	R 176	QRSA08J-103YN	RESISTOR	C34	QER41CM-476	E CAPACITOR
	R 177	QRSA08J-123YN	RESISTOR	C35	QCYA1HK-472	CAPACITOR
	R178	QRSA08J-223YN	RESISTOR	C36	QER41CM-226	E CAPACITOR
	R179	QRSA08J-103YN	RESISTOR	C37	QER41HM-474	E CAPACITOR
	R 180	QRSA08J-123YN	RESISTOR	C38	QFN41HJ-223	M CAPACITOR
				C39	QCYA1HK-103	CAPACITOR
	R181	QRSA08J-331YN	RESISTOR	C40	QCYA1HK-102	CAPACITOR
	R182	QRSA08J-122YN	RESISTOR			
	R183	QRSA08J-273YN	RESISTOR	C41	QER41CM-476	E CAPACITOR
	R184	QRSA08J-472YN	RESISTOR	C42	QER41CM-226	E CAPACITOR
	R 185	QRSA08J-104YN	RESISTOR	C43	QCTA1CH-271	CAPACITOR
	R 186	QRSA08J-104YN	RESISTOR	C44	QFN41HK-102	M CAPACITOR
	R187	QRSA08J-224YN	RESISTOR	C45	QEF81CM-105	TANTAL CAPACITOR
	R 188	QRSA08J-224YN	RESISTOR	C46	QER41AM-476	E CAPACITOR
	R189	QRSA08J-103YN	RESISTOR	C47	QCTA1CH-390	CAPACITOR
	R 190	QRSA08J-103YN	RESISTOR	C48	QCTA1CH-121	CAPACITOR
			=	C49	QFZ9011-104	MM CAPACITOR
	R191	QRSA08J-153YN	RESISTOR	C50	QER41CM-476	E CAPACITOR
	R 192	QRSAUSJ-193YN		C50	GERT10/1-478	E ON MOTION
			RESISTOR	053	00043111/ 300	CADACTTOD
	R 193	QRSA08J-OROY	RESISTOR	C51	QCYA1HK-102	CAPACITOR
	R 195	QRSA08J-102YN	RESISTOR	C52	QER41HM-105	E CAPACITOR
	R 196	QRSA08J-102YN	RESISTOR	C53	QCYA1HK-102	CAPACITOR
	R 197	QRSA08J-102YN	RESISTOR	C54	QCYA1HK-102	CAPACITOR
	R 198	QRSA08J-102YN	RESISTOR	C55	QCYA1HK~152	CAPACITOR
	R 199	QRSA08J-102YN	RESISTOR	Æ C56	QCTA1CH-330	CAPACITOR
	R200	QRSA08J-102YN	RESISTOR	À C57	QCTA1CH-330	CAPACITOR
				C58	QCYA1HK-561	CAPACITOR
	R201	QRSA08J-102YN	RESISTOR	C60	QER41CM-106	E CAPACITOR
	R202	QRSA08J-102YN	RESISTOR		ZEN.71011 100	
				641	0004196 300	CARACITOR
	R203	QRSA08J-102YN	RESISTOR	C61	QCYA1HK-102	CAPACITOR
	R204	QRSA08J-102YN	RESISTOR	C62	QCYA1HK-103	CAPACITOR
	R205	QRSA08J-102YN	RESISTOR	C63	QFP41HF-183	PP CAPACITOR
	R206	QRSA08J-103YN	RESISTOR	C64	QFP41HF-183	PP CAPACITOR
	R 207	QRSA08J-223YN	RESISTOR	C65	QFP41HF-183	PP CAPACITOR
	R208	QRSA08J-563YN	RESISTOR	C66	QFP41HF-183	PP CAPACITOR
		· · ·				

		PART NO.	PART NAME, DESCRIPTION			. PART NO.	PART NAME, DESCRIPTION
	C67				L12	PU53223-101J	PEAKING COIL
	C68	0EE81CM-105	E CAPACITOR TANTAL CAPACITOR E CAPACITOR	l	L13	PGZ00828-470	COIL
	C70	0EP41AM-224	E CAPACITOR	1	L14	PU55811-391	COIL
	0,0	WERTIAN ZEO	E CAPACITOR	l	-14	FU35011-371	COIL
	C71	QFM41HJ-682M	M CAPACITOR	1 4.	X1	PU55407	CRYSTAL RESONATOR
	C72	QFM41HJ-682M	M CAPACITOR		X2	PU49487-2	CRYSTAL RESONATOR
	C73	QER41CM-106	E CAPACITOR		X3	PU47701	
	C74	QCYA1HK-682	CAPACITOR	4		F047701	CRYSTAL RESONATOR
				1	T	FDT DOS. 1 1070	T.(
	C75	QCYA1HK-122	CAPACITOR	1	TH1	ERT-D2FHL103S	THERMISTOR
	C76	QCYA1HJ-102	CAPACITOR	İ	TH2	ERT-D2FHL103S	THERMISTOR
	C77	QCYA1HJ-102	CAPACITOR	1			
	C78	QCTA1CH-101	CAPACITOR		TP1	PU56008	TEST POINT, X31
Δ	C79	QCTA1CH-101	CAPACITOR	ŀ			
	C80	QCYA1HK-103	CAPACITOR		CN1	PU58844-110Y	CAP HOUSING
					CN2	PU58844-108	
	C81	QER41CM-476	E CAPACITOR	ļ	CN3	PU58844-105	CAP HOUSING
	C82	QER41HM-335	E CAPACITOR	Į	CN4	PU58844-3	CAP HOUSING
	C83	QFZ9011-104	MM CAPACITOR	l	CN5	PU58844-102	CAP HOUSING
	C84	QCYA1HK-102	CAPACITOR		CN6	PU58844-102 PU54537-6 PU56259-8	CAP HOUSING
	C85	QCYA1HK-333	CAPACITOR	i	CN7	PU56259-8	CAP HOUSING
	C86	QFN41HJ-333	M CAPACITOR		CN8	PU58844-102R	
	C87	QFZ9011-104	MM CAPACITOR		CN9	PU58844-102Y	
	C88	QFZ9011-683	MM CAPACITOR		CNIC	PU58844-109	CAP HOUSING
	C89	QER41CM-226	E CAPACITOR	l			
	C90	QEL60JM-226G	E CAPACITOR		CN11	PU58844-3	CAP HOUSING
	-,-	400000000000000000000000000000000000000	E OH AGETOR	1			
	C91	QEL60JM-226G	E CAPACITOR	***	*****	**********	**********
	C92	QFN41HJ-273	M CAPACITOR	1			
	C93	QCYA1HK-333	CAPACITOR	1			
	C94	QFN41HJ-123	M CAPACITOR	l	****	*****	******
	C95	QCTA1CH-331	CAPACITOR		*	6.2.4 MDA BOARD	4 TO V224
A	C96	QCYA1HK-102	CAPACITOR		****	***********	********
	C97	QCYA1HK-102	CAPACITOR				
	C98	QFZ9011-104	MM CAPACITOR	l			
	C99	QFZ9011-104	MM CAPACITOR		PWBA	PGE40243A	MDA BOARD ASSEMBLY
	C100	QEP41HM-105	NP E CAPACITOR	1		. 05405404	HOR BOARD ASSEMBLY
	0100	4C1 42IN1 205	M E GALAGITON		IC1	AN6671K	IC
	C101	QFN41HK-562	M CAPACITOR	ŀ		A.1007.1K	10
	C102	QEP41HM-474	NP E CAPACITOR	یک ا	Q1	2SA1020	TRANSISTOR
	C103	QEP41AM-106	NP E CAPACITOR	-			
	C104	QFZ9011-823	M CAPACITOR	i	Dl	11DQ04	DIODE
	C105	QER41CM-476	E CAPACITOR				51050
	C106	QCYA1HK-102	CAPACITOR	ł	R1	QRD161J-332	RESISTOR
	C107	QER41CM-476			R2	QRD161J-102	RESISTOR
	C108			1	R3		
	C109	QER41CM-476			R4	QRD161J-102	RESISTOR
		QER41CM-476	E CAPACITOR	ļ	R5	QRD161J-102	RESISTOR
	C110	QCTA1CH-331	CAPACITOR	1		QRSA08J-223YN	RESISTOR
	C111	00041111 107	010407700	1	R6	QRSA08J-561YN	RESISTOR
	C111	QCYA1HK-103	CAPACITOR		R7	QRSA08J-473YN	RESISTOR
	C112	QCYA1HK-103	CAPACITOR	ĺ	R8	QRSAOBJ-333YN	RESISTOR
	C113	QCYA1HK-123	CAPACITOR	1	R9	QRSA08J-472YN	RESISTOR
	C114	QER41CM-476	E CAPACITOR	i	R10	QRD161J-223	RESISTOR
	C115	QER41HM-475	E CAPACITOR				
	C117	QCTA1CH-560	CAPACITOR		R11	QRD161J-223	RESISTOR
	C118	QER41CM-476			R12	QRD161J-392	RESISTOR
	C119	QER40JM-226	E CAPACITOR				
	C120	QCYA1HK-562	CAPACITOR		Cl	QEK41CM-106	E CAPACITOR
					CS	QEK41HM-225	E CAPACITOR
	C121	QCYA1HK-272	CAPACITOR		C3	QEK41HM-225	E CAPACITOR
	C122	QCYA1HK-561	CAPACITOR		C4	QFN41HJ-223	M CAPACITOR
	C123	QCYA1HK-123	CAPACITOR		C5	QEK41HM-225	E CAPACITOR
	C124	QER41HM-105	E CAPACITOR		C6	QEK41HM-225	E CAPACITOR
					C7	QEK41EM-336	E CAPACITOR
	L1	PU53223-101J	PEAKING COIL		C8	QEM41EK-106	E CAPACITOR
	L3	PU53223-101J	PEAKING COIL		C9	QET41EM-107	E CAPACITOR
	L4	PU53223-101J	PEAKING COIL		C10	QFN41HJ-333	M CAPACITOR
	L5	PU53223-101J	PEAKING COIL				nearen
	L6	PU53223-101J	PEAKING COIL		IB1	PU35238-006	IN LINE BLOCK
	L7	PU53223-101J	PEAKING COIL				TH LINE BLUCK
	L8	PU53618-471J	PEAKING COIL		L1	PU55811-391	COIL
	L9	PU53223-101J	PEAKING COIL		L2	PU49994-120	
	Lio	PU53223-101J	PEAKING COIL			. 5777777160	COIL
				A	TH1	PU52108-2R2	POSTSTOP
	L11	PU53223-101J	PEAKING COIL	413		. 432100-2KZ	POSISTOR
				1			

			PART NAME, DESCRIPTION			PART NO.	PART NAME, DESCRIPTION
SLD					Q39	DTC124EK	TRANSISTOR
SLC		PRS40008	SHIELD CASE 1 SHIELD CASE 2		Q40	DTC124EK	TRANSISTOR
CNI		PU56258-8	CAP HOUSING		Q41	DTA124EK	TRANSISTOR
CN2			CAP HOUSING		943	DTC124EK	TRANSISTOR
0112	•	, 050501 12	OAI 110002110		Q44	DTC124EK	TRANSISTOR
~~ ~ ~ ~ ~ ~ ~		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	***********		Q45	DTA124EK	TRANSISTOR
***	****	***********	***************************************				
					Q47	DTC124EK	TRANSISTOR
					Q48	DTA124EK	TRANSISTOR
	****	·************	*********		Q49	DTC124EK	TRANSISTOR
	* 6	3.2.5 AUDIO BOARD	ASSY 0 5		Q50	DTA124EK	TRANSISTOR
	****	**********	************				
					Q51	DTA124EK	TRANSISTOR
					Q52	DTC124EK	TRANSISTOR
PWE	ЗА	PGE100378-03	AUDIO BOARD ASSY		Q53	2SB709	TRANSISTOR
					Q54	DTA124EK	TRANSISTOR
ICI	1	NJM4556MB	IC		Q56	DTA124EK 2SD1328S,T	TRANSISTOR
IC	?	NJM4556MB	IC		Q57	2SD1328S,T	TRANSISTOR
IC	3	TK15021	IC		Q58	DTC124EK	TRANSISTOR
IC		TA7361AF	IC		Q59	DTC124EK	TRANSISTOR
ICS		AN3991NS	IC		Q60	DTC124EK	TRANSISTOR
ICe		TA7361AF	IC				
IC7		AN3991NS	IC		Q61	2SD601	TRANSISTOR
ICS		NR0860	ic		962	2SD1328S,T	TRANSISTOR
ICI			ic		Q63	DTC124EK	TRANSISTOR
10.	10	1112051	10		Q65	FMS3	TRANSISTOR
***	• •	V000044	IC				
ici		VC2024A			Q66	DTC124EK	TRANSISTOR
ICI		AN3926S	IC		Q67	FMW3	TRANSISTOR
IC		TK15021	IC		Q68	FMW3	TRANSISTOR
IC		NJM4556MB	IC		Q69	2SD601(S)	TRANSISTOR
IC		BA226F	IC		Q70	2SD601(S)	TRANSISTOR
IC		BA634F	IC				
IC		TK15021	IC		Q71	2SD601(S)	TRANSISTOR
IC	19	NJM4556MB	IC		Q72	DTC124EK	TRANSISTOR
					Q73	DTC124EK	TRANSISTOR
Q1		2SD601	TRANSISTOR		Q74	DTC124EK	TRANSISTOR
Q2		2SB709	TRANSISTOR		Q75	DTC124EK	TRANSISTOR
Q3		2SD601	TRANSISTOR		Q76	DTC124EK	TRANSISTOR
Q4		2SC2405(ST)	TRANSISTOR		Q77	2SD601	TRANSISTOR
Q5			TRANSISTOR		Q78	DTC124EK	TRANSISTOR
Q6		2SD1328S,T	TRANSISTOR		Q79	DTC124EK	TRANSISTOR
Q7		2SD601	TRANSISTOR		Q80	DTC124EK	TRANSISTOR
Q8		DTA124EK	TRANSISTOR				
Q9		2SD601	TRANSISTOR		Q81	DTC124EK	TRANSISTOR
Q1(		2SB709	TRANSISTOR		Q82	DTC124EK	TRANSISTOR
_				ł	Q83	2SD601	TRANSISTOR
Q1:	1	2SC2405(ST)	TRANSISTOR		Q87	2SD601	TRANSISTOR
Q1:		2SC2405(ST)	TRANSISTOR	l	Q88	2SD601	TRANSISTOR
Q1:		2SD1328S,T	TRANSISTOR	l	Q89	DTC124EK	TRANSISTOR
Q1		2SD601A	TRANSISTOR	1	Q90	DTC124EK	TRANSISTOR
Q1!		2SD601	TRANSISTOR	l			
Ql		2SD637S	TRANSISTOR	1	Q92	2SD601	TRANSISTOR
Q1		2SD637S	TRANSISTOR		Q93	DTC124EK	TRANSISTOR
QI		2SB643Q	TRANSISTOR		Q94	DTA124EK	TRANSISTOR
Q1			TRANSISTOR		Q95	DTC124EK	TRANSISTOR
Q2			TRANSISTOR		Q96	DTA124EK	TRANSISTOR
	•	2002 12211		ŀ	4,0	DIALETER	(11,11,51,51,61,1
Q2	1	FMW3	TRANSISTOR		Q101	FMG2	TRANSISTOR
QZ:		2SD601A	TRANSISTOR		Q102	FMG2	TRANSISTOR
92		2SD973AR	TRANSISTOR	ı	Q103	DTC144EK	TRANSISTOR
Q2:		2ŠA1037K	TRANSISTOR	l	Q104	DTC144WK	TRANSISTOR
Q2:		2SD601A	TRANSISTOR	i	4104	DICITARK	TRANSISTOR
Q2		2SA1037K	TRANSISTOR		D1	0A90	DIODE
Q2:		2SA1037K 2SA1037K	TRANSISTOR	l	D2	0A90	DIODE
				l	D2	0A90	DIODE
Q2'		2SD601	TRANSISTOR	l	D3 D4		
Q3	U	2SD601	TRANSISTOR	l		0A90 DAB202K	DIODE
	_	*********	T0.4.10.T.0.T.0.D	l	D5	DAP202K	DIODE
Q3		2SA1037K	TRANSISTOR		D7	DAP202K	DIODE
Q3		DTC124EK	TRANSISTOR		D8	DAP202K	DIODE
Q3		DTC124EK	TRANSISTOR	1	D9	DAP202K	DIODE
Q3		DTC124EK	TRANSISTOR		D10	DAP202K	DIODE
Q3		DTC124EK	TRANSISTOR	1			
Q3		DTC124EK	TRANSISTOR	1	D11	DAP202K	DIODE
Q3	8	DTC124EK	TRANSISTOR	ł	D12	DA204K	DIODE

<b>♣</b> ♠ 		PART NO.		DESCRIPTION			PART NO.	
	D13	DAN202K	CHIP DIODE	ARRAY			 	-,
	D14	DAP202K	DIODE		1	R71	QRSA08J-474YN	RESISTOR
	D15	DAP202K	DIODE		ļ	R72	QRSAOBJ-823YN	RESISTOR
					i	R73	QRSAO8J-682YN	RESISTOR
	D101	DAN202K	CHIP DIODE	ARRAY	ŀ	R74	QRSA08J-222YN	RESISTOR
					l	R75	QRSA08J-221YN	RESISTOR
	Ri	QRSA08G-223YN	RESISTOR		l	R76	QRSAD8J-103YN	RESISTOR
	R2	QRSA08G-223YN	RESISTOR		•	R77	QRSAO8J-332YN	RESISTOR
	R3	QRSA08G-223YN	RESISTOR		1	R78	QRSA08J-222YN	RESISTOR
	R4	QRSA08G-223YN	RESISTOR			R79	QRSA08J-221YN	RESISTOR
	R5	QRSA08J-223YN	RESISTOR			,	Q	KESIS I OK
	R6	QRSA08G-223YN	RESISTOR		i	R81	QRSA08J-473YN	RESISTOR
	R7	QRSA08G-223YN	RESISTOR		İ	R82	QRSA08J-223YN	RESISTOR
	88	QRSA08J-473YN	RESISTOR			R83	QRSA08J-332YN	RESISTOR
	R9	QRSA08J-473YN	RESISTOR			R84	QRSA08J-121YN	RESISTOR
						R85	QRSA08J-393YN	RESISTOR
	R11	QRSA08J-223YN	RESISTOR			R86	QRSA08J-681YN	RESISTOR
	R12	QRSA08G-223YN	RESISTOR			R87	QVPC402-222	V RESISTOR
	R13	QRSA08G-223YN	RESISTOR			R88	QRSA08J-102YN	RESISTOR
	R14	QRSA08J-473YN	RESISTOR		1	R89	QVPC402-222	V RESISTOR
	R15	QRSA08J-473YN	RESISTOR			R90	QRSA08J-223YN	RESISTOR
	R17	QRSA08J-103YN	RESISTOR		1	-		··===##!
	R18	QRSA08J-103YN	RESISTOR		1	R92	QVPC402-222	V RESISTOR
						R93	QRSA08J-101YN	RESISTOR
	R21	QRSA08J-473YN	RESISTOR			R94	QRSA08J-105YN	RESISTOR
	R22	QRSA08J-684YN	RESISTOR			R95	QRSA08J-105YN	RESISTOR
	R23	QRSA08J-332YN	RESISTOR			R96	QRSA08J-222YN	RESISTOR
	R24	QRSA08J-823YN	RESISTOR			R97	QRSA08J-102YN	RESISTOR
	R25	QRSA08J-560YN	RESISTOR			R98	QRSAOBJ-392YN	RESISTOR
	R26	QRSA08J-103YN	RESISTOR			R99	QRSA08J-562YN	RESISTOR
	R27	QRSA08J-392YN	RESISTOR			R100	QRSA08J-562YN	RESISTOR
	R28	QRSA08J-102YN	RESISTOR					
	R29	QRSA08J-474YN	RESISTOR			R101	QRSA08J-822YN	RESISTOR
	R30	QRSA08J-682YN	RESISTOR	:		R102	QRSA08J-102YN	RESISTOR
						R103	QRSA08J-223YN	RESISTOR
	R31	QRSA08J-823YN	RESISTOR			R104	QVPC402-683	V RESISTOR
	R32	QRSAO8J-222YN	RESISTOR			R105	QVPC402-683	V RESISTOR
	R33	QRSA08J-221YN	RESISTOR			R110	QRSA08J-182YN	RESISTOR
	R34	QRSA08J-105YN	RESISTOR					
	R35	QRSA08J-332YN	RESISTOR			R111	QRSA08J-302YN	RESISTOR
	R36	QRSA08J-222YN	RESISTOR		i	R112	QRSA08J-331YN	RESISTOR
	R37	QRSA08J-221YN	RESISTOR			R116	QRSA08J-182YN	RESISTOR
	R39	QRSA08J-473YN	RESISTOR			R117	QRSA08J-302YN	RESISTOR
	R40	QVPC402-103	V RESISTOR			R118	QRSA08J-331YN	RESISTOR
	_					R119	QRSA08J-183YN	RESISTOR
	R41	QRSA08J-223YN	RESISTOR			R120	QRSA08J-103YN	RESISTOR
	R42	QRSA08J-332YN	RESISTOR					
	R43	QRSA08J-121YN	RESISTOR			R121	QRSA08J-103YN	RESISTOR
	R44	QRSA08J-393YN	RESISTOR			R123	QRSA08J-223YN	RESISTOR
	R45	QRSA08J-681YN	RESISTOR			R124	QRZ0054-100	FUSIBLE RESISTOR
	R46	QVPC402-222	V RESISTOR			R125	QRSA08J-100YN	RESISTOR
	R47	QRSA08J-102YN	RESISTOR			R126	QRSA08J-100YN	RESISTOR
	R48	QVPC402-222	V RESISTOR			R127	QRSA08J-333YN	RESISTOR
	R49	QRSA08J-223YN	RESISTOR	į	·	R128	QRSA08J-333YN	RESISTOR
	051	0400400 000	v acatata					
	R51	QVPC402-222	V RESISTOR			R151	QRSA08J-823YN	RESISTOR
	R52	QRSA08J-101YN	RESISTOR			R152	QRSA08J-102YN	RESISTOR
	R53	QRSAO8J-105YN				R153	QVPC402-222	V RESISTOR
	R54	QRSA08J-105YN	RESISTOR	1		R154	QVZ3531~332	V RESISTOR
	R55	QRSA08J-222YN	RESISTOR	- 1		R155	ERT-D2FGL301S	THERMISTOR
	R56 R57	QRSA08J-102YN QRSA08J-392YN	RESISTOR			R156	QRSAD8J-221YN	RESISTOR
	R58		RESISTOR			2157	QRSA08J-102YN	RESISTOR
		QRSAO8J-562YN	RESISTOR	ł		2158	ERT-D2FGL301S	THERMISTOR
	R59	QRSA08J-562YN	RESISTOR	Į		₹159	QVPC402-222	V RESISTOR
	R60	QRSAD8J-822YN	RESISTOR	l		₹160	QVZ3531-332	V RESISTOR
	D < 1	ODCADO L SOOVE	00000000	l	_			
	R61	QRSA08J-102YN	RESISTOR	l		3161	QVPC402-102	V RESISTOR
	R64	QRSA08J-473YN	RESISTOR	l		2162	QRSA08J-272YN	RESISTOR
	R65	QRSA08J-684YN	RESISTOR	ļ		2163	QVPC402-102	V RESISTOR
	R66	QRSA08J-332YN	RESISTOR	!		2164	WRSA08J-102YN	RESISTOR
	R67 R68	QRSA08J-823YN	RESISTOR	ł		2165	QRSA08J-104YN	RESISTOR
	R69	QRSA08J-560YN	RESISTOR	ļ		2166	QRSA08J-104YN	RESISTOR
	R70	QRSA08J-103YN	RESISTOR	l		7167	QRSAO8J-102YN	RESISTOR
	n/U	QRSA08J-392YN	RESISTOR			₹168	QRSA08J-152YN	RESISTOR

#≜ REF	NO. PART NO.	PART NAME, DESCRIPTION	#A REF NO.		PART NAME, DESCRIPTION
R169		RESISTOR	R246	QRSA08J-472YN	RESISTOR
R 170		RESISTOR	R247	QRSA08J-183YN	RESISTOR
K 170	WK3M000-3321N	KESISTON	R248	QRSA08J-682YN	RESISTOR
0171	ODCA00 I_1E3VN	RESISTOR	R250	QRSA08J-333YN	RESISTOR
R 171			K250	QK3K003-3331H	RESISION
R172		RESISTOR	2051	0001001 (7001	DECICION
R 173		RESISTOR	R251	QRSA08J-472YN	RESISTOR
R174		RESISTOR	R252	QRSA08J-472YN	RESISTOR
R 175	QRSA08J-102YN	RESISTOR	R253	QRSA08J-335YN	RESISTOR
R 177		RESISTOR	R254	QRSAO8J-335YN	RESISTOR
R 178	QRSAD8J-102YN	RESISTOR	R255	QRSA08J-272YN	RESISTOR
R 179	QRSA08J-102YN	RESISTOR	R256	QRSA08J-473YN	RESISTOR
R 180	QRSA08J-102YN	RESISTOR	R257	QRSA08J-103YN	RESISTOR
			R258	QRSAO8J-682YN	RESISTOR
R 182	QRSA08J-223YN	RESISTOR	R259	QRSAD8J-393YN	RESISTOR
R 183		RESISTOR	R260	QRD161J-101	RESISTOR
R 185		RESISTOR	1		
R 186		RESISTOR	R263	QRSA08J-103YN	RESISTOR
		RESISTOR	R264	QRSA08J-473YN	RESISTOR
R 187			R266	QRSA08J-393YN	RESISTOR
R 188		RESISTOR	R269	QRSA08J-473YN	RESISTOR
R 189		RESISTOR			
R 190	QVPC402-153	RESISTOR	R270	QRSA08J-473YN	RESISTOR
					07070700
R 191		RESISTOR	R271	QRSA08J-222YN	RESISTOR
R 192	QRSA08J-473YN	RESISTOR	R272	QRSA08J-472YN	RESISTOR
R 193	QRSAD8J-473YN	RESISTOR	R273	QRSAD8J-103YN	RESISTOR
R 194	QRSA08J-104YN	RESISTOR	R274	QRSAD8J-103YN	RESISTOR
R 195		RESISTOR	R275	QRSAO8J-223YN	RESISTOR
R 196		RESISTOR	R276	QRSAOBJ-223YN	RESISTOR
R 197		RESISTOR	R277	QRSA08J-333YN	RESISTOR
R 198		V RESISTOR	R278	QRSA08J-333YN	RESISTOR
		RESISTOR	R279	QRSA08J-103YN	RESISTOR
R 199		V RESISTOR	R280	QRSA08J-102YN	RESISTOR
R200	QVPC402-152	* RESISTOR		4	
	0003/11/03	RESISTOR	R281	QRSA08J-103YN	RESISTOR
R 202				QRSA08J-102YN	RESISTOR
R 203		RESISTOR	R282		
R 204		RESISTOR	R283	QRSA08J-333YN	RESISTOR
R 206	G QRSA08J-333YN	RESISTOR	R285	QRSA08J-222YN	RESISTOR
R 207	QRSA08J-104YN	RESISTOR	R286	QRSA08J-472YN	RESISTOR
R 208	RSAD8J-222YN	RESISTOR	R287	QRSA08J-473YN	RESISTOR
R209	QRSA08J-104YN	RESISTOR	R288	QRSAOBJ-472YN	RESISTOR
R210	QRSA08J-222YN	RESISTOR	R289	QRSA08J-222YN	RESISTOR
			R290	QRSA08J-472YN	RESISTOR
R213	QRSA08J-681YN	RESISTOR			
R212	QRSA08J-681YN	RESISTOR	R291	QRSA08J-222YN	RESISTOR
R213	QRSA08J-104YN	RESISTOR	R292	QRSA08J-472YN	RESISTOR
R214		RESISTOR	R293	QRSA08J-103YN	RESISTOR
R215		RESISTOR	R294	QRSA08J-222YN	RESISTOR
R216		THERMISTOR	R295	QRSA08J-103YN	RESISTOR
R218		RESISTOR	R296	QRSA08J-223YN	RESISTOR
R219		RESISTOR	R297	QRSA08J-472YN	RESISTOR
		RESISTOR	R298	QRSA08J-103YN	RESISTOR
R 220			R299	QRSA08J-223YN	RESISTOR
B 221	QRSA08J-472YN	RESISTOR	R300	QRSABBJ-472YN	RESISTOR
R 223					
R 225		RESISTOR	R302	QRSA08J-473YN	RESISTOR
R 226		RESISTOR			RESISTOR
R 227		RESISTOR	R303	QRSA08J-473YN	
R 228		RESISTOR	R304	QRSA08J-103YN	RESISTOR
R 229		RESISTOR	R305	QRSA08J-562YN	RESISTOR
R 230	QRSAD8J-472YN	RESISTOR	R306	QRSA08J-223YN	RESISTOR
			R307	QRSA08J-472YN	RESISTOR
R 231	L QŘSAOSJ-472YN	RESISTOR	R309	QRSA08J-472YN	RESISTOR
R 232	2 QRSAO8J-222YN	RESISTOR	R310	QRSAO8J-392YN	RESISTOR
R 233	3 QRSADBJ-103YN	RESISTOR	ļ		
R 234		RESISTOR	R311	QRSA08J-472YN	RESISTOR
R 23		RESISTOR	R313	QRSA08J-472YN	RESISTOR
R 236		RESISTOR	R314	QRSA08J-392YN	RESISTOR
R 237		RESISTOR	R315	QRSA08J-222YN	RESISTOR
		RESISTOR	R316	QRSA08J-103YN	RESISTOR
R 239	MICCC-COUNCIN	neusu i un	R317	QR\$A08J-103YN	RESISTOR
	0.0000400.004	V RESISTOR		QRSA08J-103YN	
R24:			R318	• •	RESISTOR
R 243		RESISTOR	R319	QRSA08J-103YN	RESISTOR
R 243		V RESISTOR	R320	QRSA08J-103YN	RESISTOR
R 24		RESISTOR	l <u>-</u>		
R 24!	5 QRSAO8J-183YN	RESISTOR	R321	QRSA08J-103YN	RESISTOR

	PART NO.	PART NAME, DESCRIPTION		. PART NO.	PART NAME, DESCRIPTION
R322	QRSA08J-103YN		C41	QER41EM-475	E CAPACITOR
R323	QVPC402-224	V RESISTOR	C42	QCYA1HK-182	CAPACITOR
R324	QVPC402-224	V RESISTOR	C43	QEK41AM-107	E CAPACITOR
R325	QRSA08J-223YN	RESISTOR	C44	QER41HM-474	E CAPACITOR
R326	QRSAD8J-223YN	RESISTOR	C45	QCYA1HK-103	CAPACITOR
R327	QRSA08J-103YN	RESISTOR	C46	QCYA1HK-163	
R328	QRSA08J-103YN	RESISTOR	C48		CAPACITOR
R329	QRSA08J-103YN	RESISTOR	C-76	QER41EM-475	E CAPACITOR
R330			CE 1	0504014 004	5 040407705
K330	QRSA08J-223YN	RESISTOR	C51	QER40JM-226	E CAPACITOR
0771	ODCAGO I 107VN	DECICION	C52	QER41CM-106	E CAPACITOR
R331	QRSA08J-103YN	RESISTOR	C53	QEPA1CM-475	NP E CAPACITOR
R332	QRSA08J-223YN	RESISTOR	C54	QEF81AM-106	TANTAL CAPACITOR
R333	QRSA08J-223YN	RESISTOR	C55	QCYA1HK-102	CAPACITOR
R334	QRSA08J-103YN	RESISTOR	C56	QER40JM-476	E CAPACITOR
R335	QRSA08J-103YN	RESISTOR	C57	<b>QER40JM-476</b>	E CAPACITOR
R336	QRSA08J-103YN	RESISTOR	C58	QEF81AM-475	TANTAL CAPACITOR
R337	QRSA08J-223YN	RESISTOR	C59	QCSA1HJ-471	CAPACITOR
R338	QRSAO8J-103YN	RESISTOR	C60	QEK41AM-107	E CAPACITOR
R339	QRSAO8J-473YN	RESISTOR			
			C61	QEK41AM-107	E CAPACITOR
R355	QRSA08J-822YN	RESISTOR	C62	QER40JM-476	E CAPACITOR
R356	QRSA08J-105YN	RESISTOR	C63	QEF81AM-155	E CAPACITOR
R357	QRSA08J-472YN	RESISTOR	C64	QCY81EK-823	
R359	QRSA08J-103YN	RESISTOR	C65		CAPACITOR
R360	QRSA08J-332YN	RESISTOR		QER40JM-476	E CAPACITOR
	4.00000 -005 (N		C66	QER41AM-226	
R361	QRSA08J-103YN	DESTSTOR	C67	QER41HM-105	E CAPACITOR
		RESISTOR	C68	QER41AM-226	
R362	QRSAO8J-332YN	RESISTOR	C69	QER41EM-475	E CAPACITOR
R363	QRSA08J-102YN	RESISTOR			
R364	QRSA08J-102YN	RESISTOR	C71	QER41EM-475	E CAPACITOR
R366	QRSA08J-472YN	RESISTOR	C72	QCYA1HK-182	CAPACITOR
			C73	QEK41AM-107	E CAPACITOR
R501	QRSA08J-223YN	RESISTOR	C74	QER41HM-474	E CAPACITOR
R502	QRSAO8J-223YN	RESISTOR	C75	QCYA1HK-103	CAPACITOR
			C76	QCYA1HK-562	CAPACITOR
C1	QER41CM-106	E CAPACITOR	C78	QCYA1HK-182	CAPACITOR
C2	QER41CM-106	E CAPACITOR	C79	QCYA1HK-102	CAPACITOR
C3	QER41CM-106	E CAPACITOR	ŀ		
C4	QER41CM-106	E CAPACITOR	C81	QER41HM-104	E CAPACITOR
C5	QER41EM-475	E CAPACITOR	C82	QER41HM-104	E CAPACITOR
C7	QEPA1CM-475	NP E CAPACITOR	C85	QEK41AM-107	E CAPACITOR
C8	QER41EM-475	E CAPACITOR	C89	QER41EM-475	E CAPACITOR
C10	QEPA1CM-475	NP E CAPACITOR	C90	QER41EM-475	E CAPACITOR
C11	QEK41AM-107	E CAPACITOR	C91	QEK41AM-227	E CAPACITOR
C12	QCYA1HK-102	CAPACITOR	C92	QER40JM-107	E CAPACITOR
C13	QCYA1HK-102	CAPACITOR	C93	QEK41AM-107	E CAPACITOR
C14	QER41CM-106	E CAPACITOR	C94	QEPA1AM-106	NP
C15	QER41CM-106	E CAPACITOR	C95	QEPA1AM-106	NP
C16	QER41EM-475	E CAPACITOR	C97	QER41CM-106	E CAPACITOR
C19	QER40JM-226	E CAPACITOR	C99	QER41CM-106	E CAPACITOR
C20	QER41CM-106	E CAPACITOR	C100	QEPAIAM-106	NP
621					
C21	QEPAICM-475	NP E CAPACITOR	C101	QER41AM-106	E CAPACITOR
C22	QER41HM-105	E CAPACITOR	C103	QEPA1AM-106	NP
C23	QCYA1HK-103	CAPACITOR	C104	QCSA1HJ-221	CAPACITOR
C24	QEF81AM~106	TANTAL CAPACITOR	C105	QCSA1HJ-221	CAPACITOR
C25	QCYA1HK-102	CAPACITOR	C106	QFN41HJ-223	M CAPACITOR
C26	QER40JM-476	E CAPACITOR	C107	QCYA1HK-222	CAPACITOR
C27	QER40JM-476	E CAPACITOR	C108	QCYA1HK-222	CAPACITOR
C28	QEF81AM-475	TANTAL CAPACITOR	C109	QCYA1HK-682	CAPACITOR
C29	QER41CM-106	E CAPACITOR	C110	QFN41HJ-223	M CAPACITOR
C30	QEK41AM-107	E CAPACITOR	i		
C71	0574145	5 010107500	C149	QCSA1HJ-101	. CAPACITOR
C31	QEK41AM-107	E CAPACITOR	C150	QCYA1HK-223	CAPACITOR
C32	QER40JM-476	E CAPACITOR	1		
C33	QEF81AM-155	E CAPACITOR	C151	QCYA1HK-472	CAPACITOR
C34	QCY81EK-823	CAPACITOR	C152	QER41CM-106	E CAPACITOR
C35	QER40JM-476	E CAPACITOR	C153	QER40GM-227	E CAPACITOR
C36	QER41AM-226	E CAPACITOR	C154	QER40GM-227	E CAPACITOR
C37	QCSA1HJ-471	CAPACITOR	C155	QCYA1HK-222	CAPACITOR
C38	QER41AM-226	E CAPACITOR	C156	QER41CM-106	E CAPACITOR
	QER41EM-475	E CAPACITOR	C157	QCYA1HK-103	CAPACITOR
C39	SEKATEMERIA				

		PART NAME, DESCRIPTION			PART NO.	PART NAME, DESCRIPTION
C159				C237	QER41EM-475	
C160	QCSA1HJ-101 QCYA1HK-223	CAPACTTOR				
0100	GOLWINK-SE2	CAPACITOR		C238	QER40JM-336	
C1(1	00VA1UV 472	CARACTTOR		C239	QER41CM-106 QER40JM-336	E CAPACITOR
C161	QCYA1HK-472			C240	QER40JM-336	E CAPACITOR
C162	QER41CM-106 QCYA1HK-222	E CAPACITUR				
C163	QCYA1HK-222	CAPACITOR		C241	QER41CM-106	E CAPACITOR
C164	QER41CM-106 QER40JM-107 QCYA1HK-102	E CAPACITOR		C242	QER41HM-104 QER41CM-106 QER41HM-474 QER41CM-106	E CAPACITOR
C165	QER40JM-107	E CAPACITOR		C243	QER41CM-106	E CAPACITOR
C167	QCYA1HK-102	CAPACITOR		C244	QER41HM-474	E CAPACITOR
C168	QCYA1HK-223	CAPACITOR		C245	QER41CM-106	E CAPACITOR
C169	QCYA1HK-223			C246	QER41HM-474 QER41HM-104 QER41AM-106 QER41HM-474	E CAPACITOR
C170	QCYA1HK-102	CAPACITOR		C247	QER41HM-104	E CAPACITOR
	-			C248	QFR41AM-106	F CAPACITOR
C171	QCYA1HK-182	CAPACITOR		C249	OEP41HM-474	E CAPACITOR
C172	QCYA1HK-103			C250	QER41HM-104	E CARACTTOR
C173	OFE 61 AM-156	TANTAL CAPACITOR		0250	WEK41HH-104	E CAPACITOR
	QEE41AM-156 QER41EM-475 QEPA1CM-475	E CADACTTOR		0051	000/43/11 377	
C175	QER412M-475	E CAPACITOR		C251	QCYA1HJ-333 QCYA1HJ-333	CAPACITOR
C178	WEPAICM-4/5	NP E CAPACITOR		C252	QCYA1HJ-333	CAPACITOR
C179	QCYAIHK-103	CAPACITOR		C253	QER41CM-106	E CAPACITOR
C180	QCYA1HK-821	CAPACITOR		C254	QER40JM-226	E CAPACITOR
				C255		
C181	QER41EM-475	E CAPACITOR		C256	QCYA1HK~103 QCYA1HK-103	CAPACITOR
C182	QER41AM-336	E CAPACITOR		C257	QER41CM-106	E CAPACITOR
C183	QEK41AM-107	E CAPACITOR		C258	QER41CM-106	E CAPACITOR
C184	QEPA1CM-475	E CAPACITOR E CAPACITOR E CAPACITOR NP E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR				
C185	OFR41EM-475	E CAPACITOR		C268	QER41EM-475	E CAPACITOR
C186	0ED41EM-47E	E CAPACITOR		C269		
	QER41EM-475	E CAPACITOR		6267	QEE41EK-105	T CAPACITOR
C187	WER415H-4/5	E CAPACITOR				
C190	WEK41EM-4/5	E CAPACITUR		L1	PGZ00700-472J	COIL
				L3	PGZ00700-472J	COIL
C191	QEK41AM-107 QER41EM-475 QER41EM-475 QER41AM-106 QER41AM-106 QER41CM-106 QER41AM-106 QER41AM-106	E CAPACITOR	Æ.	L5	PU52600	OSC COIL
C192	QER41EM-475	E CAPACITOR		L6	PGZ00638-391J	COIL
C193	QER41EM-475	E CAPACITOR		L10	PGZ00637-101K	COIL
C195	QER41AM-106	E CAPACITOR				
C197	QER41AM-106	E CAPACITOR		L11	PGZ00639-182J	COIL
C198	QER41CM-106	E CAPACITOR		L12	PGZ00637-101K	COIL
C199	QER41AM-106	E CAPACITOR		L13	PGZ00639-182J	COIL
C200	QER41CM-106	E CAPACITOR		L14	PGZ00638-102K	COIL
				L14 L16	PGZ00638-221K	COIL
C2 02	QEK41AM-227 QEK41AM-107 QFN41HJ-223 QCYA1HK-102 QCYA1HK-223	E CAPACITOR		L17	PGZ00637-101K	COIL
C203	OFK41AM-107	F CAPACITOR			· OLUGOS: IOIK	COIL
C204	OFN41H.1-223	M CAPACITOR		LPF1	PGZ00632	LOW PASS FILTER
C205	OCAVIHE-105	CAPACITOR		LPF2	PGZ00632 PGZ00632	LOW PASS FILTER
C206	OCAVINK 105	CAPACITOR			1 0200032	LOW FASS FILTER
C207	OCVATUR-103	CAPACITOR		BPF1		
	QCYA1HK-102 QER41CM-226 QEK41CM-107	CAPACITOR			PGZ00949	BAND PASS FILTER
C208	WEK41CH-226	E CAPACITOR		BPF2	PGZ00950	BAND PASS FILTER
C2 09	GER41CM-107	E CAPACITOR				
C210	QER41CM-226	E CAPACITOR		RY1	PGZ00631	RELAY
C211	WER41HM-104	E CAPACITOR E CAPACITOR NP E CAPACITOR E CAPACITOR NP E CAPACITOR E CAPACITOR E CAPACITOR E CAPACITOR		TP1	PU54983	TEST PIN, X26
C215	QER41EM-475	E CAPACITOR				
C216	QEPA1CM-475	NP E CAPACITOR		SLD1	PGD40841-01-01	SHIELD CASE
C217	QER41AM-106	E CAPACITOR		SLD2	PGD40842-01-01	
C218	QEPA1CM-475	NP E CAPACITOR				
C219	QER41AM-106	E CAPACITOR		CN1	PU58844-10R	CAP HOUSING
C220	QER41AM-106	E CAPACITOR		CN2	PU58844-10R PU58844-7R PU58844-3R	CAP HOUSING
				CN3	PH58844-3P	CAP HOUSING
C221	QER41AM-106	E CAPACITOR		CN4		
C222	QER41EM-475	E CAPACITOR		CN5	PU58844-3	CAP HOUSING
C223	QCYA1HK-223	CAPACITOR			PU58844-4	CAP HOUSING
C224	QER41EM-475	E CAPACITOR		CN6	PU58844-10Y	CAP HOUSING
C225	QEPA1CM-475	NP E CAPACITOR		CN7	PU58844-7	CAP HOUSING
				CNB	PU58844~4Y	CAP HOUSING
C226	QFN41HJ-223	M CAPACITOR		CN9	PU58844-2	CAP HOUSING
C227	QEPA1CM-475	NP E CAPACITOR		CN10	PU58844-8	CAP HOUSING
C558	QEK41AM-107	E CAPACITOR				
C229	QER41EM-475	E CAPACITOR		CN11	PU58844-5R	CAP HOUSING
C230	QER41EM-475	E CAPACITOR		CN12	PU58844-6	CAP HOUSING
				CN13	PU58844-10	CAP HOUSING
C231	QER41EM-335	E CAPACITOR		CN14	PGZ00724-11	CONNECTOR
C232	QER41EM-335	E CAPACITOR		CN15	PGZ00724-10	CONNECTOR
C233	QCSA1HJ-101	CAPACITOR				
C234	QCSA1HJ-101	CAPACITOR			-FM SUB BOAR	D ASSY <05>-
C235	QER41CM-106	E CAPACITOR				
C236	QCYA1HK-103	CAPACITOR		(Thi	s poard is not included i	in the AUDIO board ass'y.)
	=	1				
		1		PWBA	PRK30006A-02	FM SUB BOARD ASSY

# <i>&amp;</i>		PART NO.	PART NAME, DESCRIPTION			PART NO.	PART NAME, DESCRIPTION
					R351	QRSA08J-103YN	RESISTOR
	IC11	AN6299NC	IC	1	R352	QRSA08J-103YN	RESISTOR
	IC20	M5236L	ic		R353	QRSA08J-103YN	RESISTOR
	IC21	NJM4556MB	IC	1	R367	ERT-D2FGL301S	THERMISTOR
	IC22	NJM4556MB	IC	1	R368	QRSA08J-102YN	RESISTOR
	IC23	NJM4556MB	IC	ſ	R369	ERT-D2FGL301S	THERMISTOR
				1	R370	QRSA08J-102YN	RESISTOR
	Q32	DICLOSEK	TRANSISTOR	1		QUONOCO IDEIN	KESISTOR
	w32	DTC124EK	INMUSTSION	1	0771	0001/7/ 001	Prototop
				į	R371	QRD167J-821	RESISTOR
	Q42	2SB793AR	TRANSISTOR	I			
				1	R503	QRSA08J-222YN	RESISTOR
	Q64	DTC124EK	TRANSISTOR	ł	R504	QRSA08J-821YN	RESISTOR
					R505	QRSA08J~104YN	RESISTOR
	Q84	DTC124EK	TRANSISTOR		R506	QRSA08J-561YN	RESISTOR
					R507	QRSA08J-821YN	RESISTOR
	Q105	FMA1	TRANSISTOR	1	R508	QRSAD8J-561YN	RESISTOR
				!			
	Q106	IMH7	TRANSISTOR	1	R509	QRSA08J-392YN	RESISTOR
	Q107	IMH7	TRANSISTOR	ł	R510	QRSA08J-122YN	RESISTOR
	Q108	2SD601	TRANSISTOR	i			
	Q109	2SD601	TRANSISTOR	1	R511	QRSA08J-683YN	RESISTOR
				1	R512	QRSAD8J-103YN	RESISTOR
	D30	DA204K	DIODE	1	R513	QRSA08J-103YN	RESISTOR
			<del>-</del>	1	R514	QRSAD8J-392YN	RESISTOR
	D31	DA204K	DIODE	i	R515	QRSAD8J-122YN	RESISTOR
	55.	WALVIN	0.000	1	R516	QRSAD8J-102YN	RESISTOR
	010/	0004001 001741	DECTOTOR	l l			
	R106	QRSA08J-221YN	RESISTOR	1	R517	QRSAD8J-392YN	RESISTOR
	R107	QRSA08J-153YN	RESISTOR	1	R518	QRSA08J-122YN	RESISTOR
				1	R519	QRSA08J-683YN	RESISTOR
	R113	QRSA08J-392YN	RESISTOR		R520	QRSA08J-103YN	RESISTOR
	R114	QRSA08J-273YN	RESISTOR	i			
	R115	QRSAD8J-394YN	RESISTOR	l	R521	QRSA08J-103YN	RESISTOR
					R522	QRSAD8J-392YN	RESISTOR
	R131	QRSA08J-821YN	RESISTOR		R523	QRSA08J-122YN	RESISTOR
	R132	QRSA08J-682YN	RESISTOR		R524	QRSA08J-102YN	RESISTOR
	R133			1	R525	QRSA08J-103YN	RESISTOR
		QRSA08J-182YN	RESISTOR	1	KJEJ	@K3A065-1051K	RESISIUR
	R134	QRSA08J-392YN	RESISTOR	1		055/1444 005	
	R135	QRSA08J-181YN	RESISTOR	1	C111	QER41HM-225	E CAPACITOR
	R136	QRSA08J-123YN	RESISTOR	1	C112	QCYA1HK-183	CAPACITOR
	R137	QRSAD8J-392YN	RESISTOR	l	C113	QCYA1HK-153	CAPACITOR
	R138	QRSA08J-123YN	RESISTOR	1	C114	QER40JM-226	E CAPACITOR
	R139	QRSA08J-473YN	RESISTOR	l	C115	QER40JM-226	E CAPACITOR
	R140	QRSAO8J-153YN	RESISTOR		C116	QCSA1HJ-151	CAPACITOR
				i	C117	QCYA1HK-103	CAPACITOR
	R141	QRSAD8J-821YN	RESISTOR	i	C118	QCYA1HK-821	CAPACITOR
	R142	QRSA08J-682YN	RESISTOR	1	C119	QCYA1HK-152	CAPACITOR
					C120		
	R143	QRSA08J-182YN	RESISTOR	l	0120	QCYA1HK-821	CAPACITOR
	R144	QRSAO8J-392YN	RESISTOR	1	0101	0554404 155	
	R145	QRSA08J-181YN	RESISTOR	1	C121	QEPA1CM-475	NP E CAPACITOR
	R146	QRSAO8J-392YN	RESISTOR	i	C123	QER40JM-226	E CAPACITOR
	R147	QRSAO8J-123YN	RESISTOR	l	C124	QER41HM-105	E CAPACITOR
	R148	QRSA08J-123YN	RESISTOR	l	C126	QER41EM-475	E CAPACITOR
	R149	QRSAD8J-473YN	RESISTOR	l	C127	QCYA1HK-153	CAPACITOR
	R150	QRSAU8J-153YN	RESISTOR	l	C128	QER41AM-336	E CAPACITOR
					C129	QER41AM-336	E CAPACITOR
	R222	QRSA08J-473YN	PESTSTOP	į	C130	QER41HM-225	
		#WOWOOD -41914	RESISTOR	ŀ	2200	4-047101-663	E CAPACITOR
	D2/3	0004001 104444	DECTOTOR	-	C131	OCYA1UK 187	040404700
	R261	QRSA08J-104YN	RESISTOR	l		QCYA1HK-183	
	R262	QRSA08J-103YN	RESISTOR	1	C132	QCYA1HK-153	CAPACITOR
	R267	QRSA08J-103YN	RESISTOR		C133	QER40JM-226	E CAPACITOR
	R268	QRSA08J-104YN	RESISTOR		C134	QCSA1HJ-151	CAPACITOR
	R340	QRSA08J-272YN	RESISTOR	1	C135	QCYA1HK-103	CAPACITOR
				l	C136	QCSA1HJ-821	CAPACITOR
	R341	QRSA08J-472YN	RESISTOR	l	C137	QCYA1HK-152	CAPACITOR
	R342	QRSA08J-272YN	RESISTOR	l	C138	QCSA1HJ-821	CAPACITOR
	R343	QRSA08J-472YN	RESISTOR	l	C139	QEPA1CM-475	NP E CAPACITOR
	R344			l	5157	451 MAUN***19	III E CMEMOTION
		QRSA08J-103YN	RESISTOR	1	C167	05840 IM. 334	CADACTTOD
	R345	QRSA08J-103YN	RESISTOR	l	C141	QER40JM-226	E CAPACITOR
	R346	QRSAD8J-222YN	RESISTOR	l	C142	QER41HM-105	E CAPACITOR
	R347	QRSA08J-104YN	RESISTOR	ļ	C144	QER41CM-106	E CAPACITOR
	R348	QRSA08J-103YN	RESISTOR	l	C145	QCYA1HK-153	CAPACITOR
	R349	QRSAU8J-103YN	RESISTOR	1	C146	QER41AM-336	E CAPACITOR
	R350	QRSA08J-103YN	RESISTOR	1	C147	QER41AM-336	E CAPACITOR
		<b></b>		ı	C148	QER40JM-107	E CAPACITOR
				•			

A. REF NO. PAST NO.   PAST NAME, DESCRIPTION							
Ciey   GEPAICH-475   NP   E CAPACITOR   CI   GER40,M-107   E CAPACITOR   CI   GER41M-105   E CAPACITOR   CI   GER41M-105   CAPACITOR   CI   GER41M-105   CAPACITOR   CI   GER41M-106   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   C	#.Λ	REF NO.	PART NO.	PART NAME, DESCRIPTION	#A REF NO.	PART NO.	PART NAME, DESCRIPTION
Ciey   GEPAICH-475   NP   E CAPACITOR   CI   GER40,M-107   E CAPACITOR   CI   GER41M-105   E CAPACITOR   CI   GER41M-105   CAPACITOR   CI   GER41M-105   CAPACITOR   CI   GER41M-106   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   C						· <del>-</del>	
Ciey   GEPAICH-475   NP   E CAPACITOR   CI   GER40,M-107   E CAPACITOR   CI   GER41M-105   E CAPACITOR   CI   GER41M-105   CAPACITOR   CI   GER41M-105   CAPACITOR   CI   GER41M-106   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   CAPACITOR   CI   GER41M-107   C							
C174 QERA1HM-1474 E CAPACITOR  C201 QERA1HM-105 E CAPACITOR  C212 QERA1HM-105 E CAPACITOR  C212 QERA1HM-105 E CAPACITOR  C214 QERA1HM-105 E CAPACITOR  C214 QERA1HM-105 E CAPACITOR  C214 QERA1HM-105 E CAPACITOR  C216 QERA1HM-106 E CAPACITOR  C227 QERA1HM-107 E CAPACITOR  C229 QERA1HM-106 E CAPACITOR  C220 QERA1HM-107 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C221 QERA1HM-108 E CAPACITOR  C222 QERA1HM-108 E CAPACITOR  C223 QERA1HM-108 E CAPACITOR  C224 QERA1HM-108 E CAPACITOR  C225 QERA1HM-108 E CAPACITOR  C226 QERA1HM-108 E CAPACITOR  C227 QERA1HM-108 E CAPACITOR  C228 QERA1HM-108 E CAPACITOR  C229 QERA1HM-108 E CAPACITOR  C220 QUALHM-153 CAPACITOR  C220 QUALHM-153 CAPACITOR  C220 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C221 QUALHM-153 CAPACITOR  C222 QUALHM-153 CAPACITOR  C232 QUALHM-153 CAPACITOR  C33 QUALHM-103 CAPACITOR  C34 QUALHM-153 CAPACITOR  C35 QUALHM-155 CAPACITOR  C36 QUALHM-155 CAPACITOR  C37 QUALHM-153 CAPACITOR  C38 QUALHM-103 CAPACITOR  C39 QUALHM-154 CAPACITOR  C30 QUALHM-155 CAPACITOR  C31 QUALHM-155 CAPACITOR  C32 QUALHM-153 CAPACITOR  C33 QUALHM-153 CAPACITOR  C34 QUALHM-155 CAPACITOR  C35 QUALHM-155 CAPACITOR  C36 QUALHM-155 CAPACITOR  C37 QUALHM-158 CAPACITOR  C37 QUALHM-158 CAPACITOR  C38 QUALHM-105 CAPACITOR  C39 QUALHM-157 CAPACITOR  C39 QUALHM-158 CAPACITOR  C30 QUALHM-158 CAPACITOR  C30 QUALHM-158 CAPACITOR  C31 QUALHM-158 CAPACITOR  C32 QUALHM-158 CAPACITOR  C32 QUALHM-158 CAPACITOR  C34 QUALHM-158 CAPACITOR  C35 QUALHM-158 CAPACITOR  C47 QUALHM-158 CAPACITOR  C48 QUALHM-158 CAPACITOR  C59 QUALHM-158 CAPACITOR  C50 QUALHM-158 CAPACITOR  C50 QUALHM-158 CAPACITOR  C50 QUALHM-158 CAPACITOR  C51 QUALHM-158 CAPACITOR  C52 QUALHM-158 CAPACITOR  C52 QUALHM-158 CAPACITOR  C52					R21	QRSA08J-271YN	RESISTOR
C114   GRA1HM-474   E CAPACITOR   C2   GYAIH-103   CAPACITOR   C2   GRA1HM-102   CAPACITOR   C3   GASAH-220   CAPACITOR   C5   GYAIHM-102   CAPACITOR   C6   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C6   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7   GYAIHM-103   CAPACITOR   C7		C189	QEPA1CM-475	NP E CAPACITOR			
C201   QERA1HM-105   E CAPACITOR   C4   QCVAIHM-102   CAPACITOR   C212   QERA1HM-27   E CAPACITOR   C5   QCVAIHM-102   CAPACITOR   C7   QCVAIHM-103   CAPACITOR   C7   QCVAIHM-103   CAPACITOR   C7   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAPACITOR   C8   QCVAIHM-103   CAP							
C201   GRA1HM-105   E CAPACITOR   C24   GYAIN-102   CAPACITOR   C214   GRA1DM-224   E CAPACITOR   C25   GYAIN-102   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-103   CAPACITOR   C27   GYAIN-104   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GYAIN-105   CAPACITOR   C27   GY		C194	QER41HM-474	E CAPACITOR			
C212 QEKA1AM-227 E CAPACITOR C C QCYAIN-103 CAPACITOR C C QCYAIN-103 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-228 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CAPACITOR C C QCYAIN-258 CA			055/1111 105				
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C214   GER41CH-106   E CAPACITOR   C20   GEVAINK-123   CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   E CAPACITOR   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   C20   GER41CH-106   GER41CH-106   C20   GER41CH-106   GER41CH-106   GER41CH-106   GER41CH-106   GER41CH-106   GER41CH-106   GER41CH-106   GER41CH-1				T 040407700			
C259							
C260   GERALICH-106   E CAPACITOR   C21   GCSAINJ-521   CAPACITOR   C252   GERALICH-106   E CAPACITOR   C12   GERALICH-106   E CAPACITOR   C12   GERALICH-106   E CAPACITOR   C12   GERALICH-106   E CAPACITOR   C13   GCYAIK-223   CAPACITOR   C244   GERALICH-106   E CAPACITOR   C14   GCYAIK-223   CAPACITOR   C15   GCYAIK-223   CAPACITOR   C16   GCAPACITOR   C16   GCAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   C17   GCYAIK-103   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C1		C214	QER40JM-226	E CAPACITUR			
C260   GERALICH-106   E CAPACITOR   C21   GCSAINJ-521   CAPACITOR   C252   GERALICH-106   E CAPACITOR   C12   GERALICH-106   E CAPACITOR   C12   GERALICH-106   E CAPACITOR   C12   GERALICH-106   E CAPACITOR   C13   GCYAIK-223   CAPACITOR   C244   GERALICH-106   E CAPACITOR   C14   GCYAIK-223   CAPACITOR   C15   GCYAIK-223   CAPACITOR   C16   GCAPACITOR   C16   GCAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-233   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   GCYAIK-103   CAPACITOR   C17   GCYAIK-103   C17   GCYAIK-103   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C17   GCYAIK-103   C1			055(100 10)			QCYA1HK-103	CAPACITOR
C261   GER41CH-106   E CAPACITOR   C262   GER41CH-106   E CAPACITOR   C262   GER41CH-106   E CAPACITOR   C112   GER41H-242   E CAPACITOR   C264   GER41CH-106   E CAPACITOR   C124   GCYAIK-223   CAPACITOR   C265   GER41CH-106   E CAPACITOR   C16   GCSAIH-221   CAPACITOR   C267   GER41CH-106   E CAPACITOR   C16   GCSAIH-221   CAPACITOR   C267   GER41CH-106   E CAPACITOR   C16   GCSAIH-221   CAPACITOR   C16   GCSAIH-221   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C17   GCYAIK-223   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR   C27   GCYAIK-103   CAPACITOR							
C262   GER41CH-106   CAPACITOR   C12   GER41CH-106   CAPACITOR   C13   GCVAIK-223   CAPACITOR   C14   GCVAIK-223   CAPACITOR   C15   GCVAIK-223   CAPACITOR   C16   GCAPACITOR   C16   GCAPACITOR   C17   GCVAIK-223   CAPACITOR   C17   GCVAIK-223   CAPACITOR   C17   GCVAIK-223   CAPACITOR   C18   GCAIH-213   CAPACITOR   C19   GCAIH-213   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCAIH-123   CAPACITOR   C19   GCA		C260	QEK41CM-106	E CAPACITUR	C10	QCSA1HJ-221	CAPACITOR
C262   GER41CH-106   CAPACITOR   C12   GER41CH-106   CAPACITOR   C13   GCVAIK-223   CAPACITOR   C14   GCVAIK-223   CAPACITOR   C15   GCVAIK-223   CAPACITOR   C16   GCAPACITOR   C16   GCAPACITOR   C17   GCVAIK-223   CAPACITOR   C17   GCVAIK-223   CAPACITOR   C17   GCVAIK-223   CAPACITOR   C18   GCAIH-213   CAPACITOR   C19   GCAIH-213   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCVAIK-123   CAPACITOR   C19   GCAIH-123   CAPACITOR   C19   GCA		63/1	OFD610M 104	E CARACTTOR			
C243							
C264   GERAICM-106   E CAPACITOR   C14   GCVAIHW-232   CAPACITOR   C265   GERAICH-106   E CAPACITOR   C15   GCSAIHW-232   CAPACITOR   C266   GERAICH-106   E CAPACITOR   C16   GCSAIHW-261   CAPACITOR   C267   GERAICH-106   E CAPACITOR   C16   GCSAIHW-261   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-153   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   CAPACITOR   C270   GCVAIHW-103   C270					1		
C265   GERAICM-106   E CAPACITOR   C15   GCSAIH-321   CAPACITOR   C26   GERAICH-106   E CAPACITOR   C16   GCSAIH-321   CAPACITOR   C26   GERAICH-106   E CAPACITOR   C17   GCSAIH-323   CAPACITOR   C27   GERAICH-105   CAPACITOR   C17   GCSAIH-323   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-153   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   C27   GCSAIH-163   CAPACITOR   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   C27   GCSAIH-163   G							
C266   GERAICH-106   E CAPACITOR   C267   GERAICH-106   E CAPACITOR   C267   GERAICH-106   E CAPACITOR   C16   GCSAIH-353   CAPACITOR   C17   GCYAIH-2153   CAPACITOR   C18   GCSAIH-331   CAPACITOR   C18   GCSAIH-331   CAPACITOR   C271   GCYAIH-153   CAPACITOR   C18   GCSAIH-331   CAPACITOR   C271   GCYAIH-153   CAPACITOR   C272   GCYAIH-155   CAPACITOR   C272   GCYAIH-155   CAPACITOR   C272   GCYAIH-155   CAPACITOR   C272   GCYAIH-155   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-163   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAPACITOR   C272   GCYAIH-223   CAP					i		
C267   GER-1CM-106   E CAPACITOR   C17   GCYAIN-223   CAPACITOR   C270   GCYAIN-153   CAPACITOR   C18   GCSAIN-313   CAPACITOR   C19   GCSAIN-313   CAPACITOR   C19   GCSAIN-313   CAPACITOR   C19   GCSAIN-313   CAPACITOR   C19   GCSAIN-323   CAPACITOR   C272   GCYAIN-153   CAPACITOR   C272   GCYAIN-153   CAPACITOR   C272   GCYAIN-153   CAPACITOR   C272   GCYAIN-153   CAPACITOR   C272   GCYAIN-153   CAPACITOR   C272   GCYAIN-153   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   CAPACITOR   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYAIN-103   C274   GCYA						QCSA1HJ-221	CAPACITOR
C269   QCYAINJ-153   CAPACITOR   C19   QCYAINJ-153   CAPACITOR   C19   QCYAINJ-153   CAPACITOR   C271   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272   C272			QER41CM-106	E CAPACITOR	C16	QCSA1HJ-561	CAPACITOR
C270   QCYAINJ-153   CAPACITOR   C271   QCYAINJ-153   CAPACITOR   C271   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C274   QCYAINJ-153   CAPACITOR   C274   QCYAINJ-153   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C274   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   QCYAINJ-163   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAPACITOR   C275   CAP			QER41CM-106	E CAPACITOR	C17	QCYA1HK-223	CAPACITOR
C270   QCYAINJ-153   CAPACITOR   C29   QCSAINJ-820   CAPACITOR   C271   QCYAINJ-153   CAPACITOR   C272   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-153   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPACITOR   C28   QCYAINJ-163   CAPAC		C269	QCYA1HJ-153	CAPACITOR	C18	QCSA1HJ-331	CAPACITOR
C271		C270	QCYA1HJ-153	CAPACITOR	C19		CAPACITOR
C271					C20	QER40JM-107	E CAPACITOR
C22   GCYAINK-103 CAPACITOR   C22   GCYAINK-103 CAPACITOR   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24   C24		C271	QCYA1HJ-153	CAPACITOR	l		
C22   GCVAIHK-103   CAPACITOR		C272		CAPACITOR	C21	QCYA1HK-103	CAPACITOR
L7 PG200638-152 COIL  L8 PG200638-152 COIL  C22 QCVAIHK-103 CAPACITOR C42 QCVAIHK-223 CAPACITOR CN16 PG200723-11 CONNECTOR CN16 PG200723-11 CONNECTOR CN17 PG200723-11 CONNECTOR CN18 PUSB844-102 CAP HOUSING  MMARKHARMARMARMARMARMARMARMARMARMARMARMARMARMA					1		
LB PG200638-152 CDIL  SWI PU54440 SMITCH  CN16 PG200723-11 CONNECTOR CN17 PG200723-11 CONNECTOR CN18 PU58846-102 CAP HOUSING  SLD1 PG40638-101 CDIL CN17 PG200723-10 CONNECTOR CN18 PU58846-102 CAP HOUSING  MM**********************************		L7	PGZ00638-152	COIL			
Note		L8					
CN16					1 55	401AINK EES	CAT ACTION
CN16		SWI	PU54440	SWITCH	1.1	PG700438-101	COTI
CN16							
CN17		CN14	PG700723-11	CONNECTOR			
CN18							
SLD1   PG040845-01-01   SHIELD CASE					L4	PG200637-221	COIL
TP1		CNID	PU30044-1UZ	CAP HUUSING			
######################################	~~				SLD1	PGD40845-01-01	SHIELD CASE
######################################	大大 平	****	******	***********			
**************************************							
######################################					1P2	PU56008	TEST PIN
PWBA PGE30099B							
PWBA   PGE30099B					CN2	PGZ00624	CONNECTOR
PWBA PGE30099B		***	*****	********			
C1					****	*****	*********
C1		PWRA	PGF30099R	FM A PRE AMP BOARD ASSEMBLY	i		
TC1			. 02000775	THE ALL DUAND ACCEPTED	****	*****	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Q1   25C2412K		ICI	HA11752MP	IC			
Q1   2SC2412K   TRANSISTOR   Q2   2SC2412K   TRANSISTOR   Q3   2SD1328S,T   TRANSISTOR   Q4   FMW3   TRANSISTOR   Q4   FMW3   TRANSISTOR   Q1   2SC1545A,B   TRANSISTOR   Q2   2SC1545A,B   TRANSISTOR   Q2   2SC1545A,B   TRANSISTOR   Q2   2SC1545A,B   TRANSISTOR   Q3   2SC1545A,B   TRANSISTOR   Q4   2SC1545A,B   TRANSISTOR   Q5   2SC1545A,B   TRANSISTOR   Q6   2SC1545A,B   TRANSISTOR   Q6   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1545A,B   TRANSISTOR   Q8   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1546,B   2SC1466,B   2SC1466,B   2SC1466,B   2SC1466,B   2SC1466,B   2SC1466,B   2SC1466,B   2SC1466,B   2SC1							
Q2   2SC2412K   TRANSISTOR   PWBA   PGE30158A   REGURATOR BOARD ASSEMBLY		01	2SC2412K	TRANSISTOR			*************************
Q3					ŀ		
Q4					PWRA	PGE301584	PECHPATRE BRADE ASSEMBLY
Q1   2SC1545A,B   TRANSISTOR   Q2   2SC1545A,B   TRANSISTOR   Q2   2SC1545A,B   TRANSISTOR   Q3   2SC1545A,B   TRANSISTOR   Q4   2SC1545A,B   TRANSISTOR   Q5   2SC1545A,B   TRANSISTOR   Q6   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC1545A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TRANSISTOR   Q7   2SC154A,B   TR						1 02001504	REGORATOR BOARD ASSEMBLE
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R12 QRSA08J-681YN RESISTOR R13 QRSA08J-102YN RESISTOR C3 PU57601-226KC OS CAPACITOR C4 PU57601-226KC OS CAPACITOR C5 PU57601-226KC OS CAPACITOR C6 PU57601-226KC OS CAPACITOR C7 PU57601-226KC OS CAPACITOR C8 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-226KC OS CAPACITOR C9 PU57601-2					1		
R13 QRSA08J-102YN RESISTOR  R14 QRSA08J-681YN RESISTOR  R15 QRSA08J-223YN RESISTOR  R16 QRSA08J-681YN RESISTOR  R17 QRSA08J-392YN RESISTOR  R18 QRSA08J-392YN RESISTOR  R18 QRSA08J-392YN RESISTOR  R19 QRSA08J-100YN RESISTOR  R19 QRSA08J-100YN RESISTOR							
R14 QRSA08J-681YN RESISTOR R15 QRSA08J-223YN RESISTOR R16 QRSA08J-681YN RESISTOR R17 QRSA08J-392YN RESISTOR R18 QRSA08J-392YN RESISTOR R18 QRSA08J-392YN RESISTOR R19 QRSA08J-100YN RESISTOR R19 QRSA08J-100YN RESISTOR						QEU41CM-107	
R15 QRSA08J-223YN RESISTOR C5 PU57601-226KC OS CAPACITOR C6 PU57601-226KC OS CAPACITOR C6 PU57601-226KC OS CAPACITOR R17 QRSA08J-392YN RESISTOR A DD1 PGZ00938A DC-DC CONVERTER R19 QRSA08J-100YN RESISTOR						PU57601-226KC	OS CAPACITOR
R16 QRSA08J-681YN RESISTOR C6 PU57601-226KC OS CAPACITOR R17 QRSA08J-392YN RESISTOR R18 QRSA08J-392YN RESISTOR					C4	PU57601-226KC	OS CAPACITOR
R17 QRSA08J-392YN RESISTOR R18 QRSA08J-392YN RESISTOR R19 QRSA08J-100YN RESISTOR  A DD1 PGZ00938A DC-DC CONVERTER R19 QRSA08J-100YN RESISTOR			•		C5	PU57601-226KC	OS CAPACITOR
R17 QRSA08J-392YN RESISTOR R18 QRSA08J-392YN RESISTOR			QRSA08J-681YN		C6	PU57601-226KC	OS CAPACITOR
R18 QRSAOBJ-392YN RESISTOR			QRSA08J-392YN	RESISTOR	1	_	
R19 QRSAOBJ-100YN RESISTOR				RESISTOR	A DD1	PGZ00938A	DC-DC CONVERTER
		40					
				RESISTOR	1		
		R19	QRSA08J-100YN		∆ RY1	PU56400-2	RELAY

#A REF NO.	PART NO.	PART NAME, DESCRIPTION		PART NO.	PART NAME, DESCRIPTION
			Q22	DTC124ES	TRANSISTOR
TP1	PUEZOOR	TEST DOINT VE(TD1-E)		D10124E3	
11.7	PU56008	TEST POINT, X5(TP1-5)	Q23	D1C124ES	TRANSISTOR
0113	DU(3753 306	0.40 1101107110	Q24	DICIZAES	TRANSISTOR
CN1	PU43351-104	CAP HOUSING	Q25	DTC124ES DTC124ES DTC124ES DTC124ES	TRANSISTOR
CN2	PU43351-104 PU58844-9 PU58844-105	CAP HUUSING	Q26	DTC124ES	TRANSISTOR
CN3	PU58844-105	CAP HOUSING	Q27	DTC124ES	TRANSISTOR
CN4	PU58844-104 PU58844-105R	CAP HOUSING	Q28	DTC124ES	TRANSISTOR
CN5			Q29	DTC124ES DTC124ES	TRANSISTOR
CN6	PU43351-4	CAP HOUSING	Q30	DTC124ES	TRANSISTOR
⚠ CP1	ICP-F38	CIRCUIT PROTECTOR	Q31	DTC124ES	TRANSISTOR
Æ CP2	ICP-F38	CIRCUIT PROTECTOR	Q32	DTC124ES	TRANSISTOR
À CP3	ICP-F10	CIRCUIT PROTECTOR	Q33	2SD636R	TRANSISTOR
			<b>∆</b> Q34	DTA114EF	TRANSISTOR
*******	******	****************	Q35	DTC124ES	TRANSISTOR
			Q36	DTA124ES	TRANSISTOR
			Q37	DTC124ES	TRANSISTOR
****	******	*******	Q38	DTC124ES	TRANSISTOR
	6.2.8 SYSCON BOA		Q39	DTC144EF	TRANSISTOR
****	0.2.6 313CON CON	**************************************	Q40	DTA124ES	
***	*****	*********	440	DIAIE4E3	TRANSISTOR
			063	DTC12655	TRANSTETOR
P		0V000V 00400 4000V	Q42	DTC124ES	TRANSISTOR
PWBA	PGE20209A-03	SYSCON BOARD ASSEMBLY	Q43	DTA124ES	TRANSISTOR
			Q44	DTC124ES	TRANSISTOR
IC1	TC40H166F	IC			
ICS	TC40H166F	IC	D1	188133	DIODE
IC3	TC40H166F	IC	DS	188133	DIODE
1C4	TC40H166F	IC	D3	RD9.1EB2	ZENER DIODE
IC5	IR3702N1	IC	D4	RD5.1EB2	ZENER DIODE
IC6	14VT08A	IC	D5	188133	DIODE
IC7	NJM2903M	IC	Ð6	RD12EB1	ZENER DIODE
<b>∱ IC8</b>	PGD30410-G03-03	IC	D7	RD9.1EB2	ZENER DIODE
OR	HD6301Y8RJ67P	IC	D8	188133	DIODE
IC9	TC4584BF	IC	D9	HZ4BLL	ZENER DIODE
<b>∱ IC10</b>	UPD7564G-505	IC			
			LD1	GL-3HD6	LE DIODE
IC11	TC4528BF	IC	FD5	GL-3HD6	LE DIODE
1012	M51953AL	IC	LD3	GL-3HD6	LE DIODE
IC13	TC4526BF	IC	LD4	GL-3HD6	TE DIODE
IC14	TC4526BF	IC	LD5		LE DIODE
IC15	TC4094BF	IC	LD6		LE DIODE
IC16	BA6109U3	IC	LD7	GL-3HD6	LE DIODE
À IC17	S-81250HG	īc			
IC18	TC4050BF	ic	D10	RD2.7EB1	ZENER DIODE
IC19	TC4094BF	ic			
1020	TC4050BF	ic	D11	RDS.1EB1	ZENER DIODE
.020	70403001	••	D13	155133	DIODE
1C21	M51946AL	IC	D14	155133	DIODE
1021	MOIFFORE	10	D15	155133	DIODE
Q1	DTC124ES	TRANSISTOR	D16	155133	
92	DTC124ES	TRANSISTOR	010	133133	DIODE
Q3	DTC124ES	TRANSISTOR	R1	QRD167J-473	DECICION
Q4			R2		RESISTOR
Q5	DTC124ES	TRANSISTOR TRANSISTOR		QRD167J-473	RESISTOR
	DTC124ES DTA124ES		R3	QRD167J-333	RESISTOR
Q6		TRANSISTOR	R4	QRD167J-333	RESISTOR
Q7	DTC124ES	TRANSISTOR	R5	QRD167J-103	RESISTOR
Q8	DTC124ES	TRANSISTOR	R6	QRD167J-103	RESISTOR
Q9	DTA124ES	TRANSISTOR	R7	QRD167J-103	RESISTOR
Q10	DTC124ES	TRANSISTOR	R8	QRD167J-103	RESISTOR
			R9	QRD167J-562	RESISTOR
Q11	DTA124ES	TRANSISTOR	R 1 0	QRD167J-562	RESISTOR
Q12	DTA144ES	TRANSISTOR			
Q13	DTA144ES	TRANSISTOR	R11	QRD167J-223	RESISTOR
Q14	DTC124ES	TRANSISTOR	R12	QRD167J-223	RESISTOR
Q15	DTC124ES	TRANSISTOR	R13	QRD167J-471	RESISTOR
Q16	DTC124ES	TRANSISTOR	R14	QRD167J-102	RESISTOR
Q17	DTC124ES	TRANSISTOR	R15	QRD167J-223	RESISTOR
Q18	DTC124ES	TRANSISTOR	R16	QRD167J-223	RESISTOR
Q19	DTC124ES	TRANSISTOR	R17	QRD167J-471	RESISTOR
Q20	DTC124ES	TRANSISTOR	R18	QRD167J-102	RESISTOR
		İ	R19	QRD167J-102	RESISTOR
Q21	DTC124ES	TRANSISTOR	R20	QRD167J-102	RESISTOR
		1	R21	QRD167J-224	RESISTOR

#A REF NO	. PART NO.	PART NAME, DESCRIPTION	#A REF NO.		PART NAME, DESCRIPTION
R22	QRD167J-474	RESISTOR	R92	QRD167J-102	RESISTOR
R23	QRD167J-104	RESISTOR	R93	QRD167J-102	RESISTOR
			R94	QRD167J-102	RESISTOR
R24	QRD167J-823	RESISTOR	R95		RESISTOR
R25	QRD167J-221	RESISTOR		QRD167J-102	
R26	QRD167J-103	RESISTOR	R96	QRD167J-102	RESISTOR
R27	QRD167J-333	RESISTOR	R97	QRD167J-102	RESISTOR
R28	QRD167J-562	RESISTOR	R98	QRD167J-102	RESISTOR
R29	QRD167J-682	RESISTOR	R99	QRD167J-102	RESISTOR
R30	QRD167J-682	RESISTOR	R100	QRD167J-102	RESISTOR
R31	QRD167J-221	RESISTOR	R101	QRD167J-102	RESISTOR
R32	QRD167J-221	RESISTOR	R102	QRD167J-102	RESISTOR
R33	QRD167J-101	RESISTOR	R103	QRD167J-182	RESISTOR
R34	QRD167J-101	RESISTOR	R104	QRD167J-103	RESISTOR
R35	QRD167J-333	RESISTOR	R105	QRD167J-391	RESISTOR
R36	QRD167J-472	RESISTOR	R106	QRD167J-391	RESISTOR
R37	QRD167J-333	RESISTOR	R107	QRD167J-102	RESISTOR
R38	QRD167J-391	RESISTOR	R108	QRD167J-102	RESISTOR
R40		RESISTOR	R109	QRD167J-102	RESISTOR
K40	QRD167J-104	KESISION	R110		RESISTOR
D 4 3	0001/7: 307	BECTCTOR	"110	QRD167J-102	NEOTO FOR
R41	QRD167J-103	RESISTOR		0001471 100	PESISTOR
R42	QRD167J-103	RESISTOR	R111	QRD167J-102	RESISTOR
R43	QRD167J-103	RESISTOR	R112	QRD167J-102	RESISTOR
R44	QRD167J-103	RESISTOR	R113	QRD167J-102	RESISTOR
R47	QRD167J-103	RESISTOR	R114	QRD167J-102	RESISTOR
R48	QRD167J-103	RESISTOR	R115	QRD167J-102	RESISTOR
R49	QRD167J-103	RESISTOR	R116	QRD167J-102	RESISTOR
R50	QRD167J-103	RESISTOR	R117	QRD167J-333	RESISTOR
			R118	QRD167J-391	RESISTOR
R51	QRD167J-103	RESISTOR	R119	QRD167J-154	RESISTOR
R52	QRD167J-103	RESISTOR	R120	QRD167J-471	RESISTOR
R53	QRD167J-103	RESISTOR			
R54	QRD167J-103	RESISTOR	R121	QRD167J-391	RESISTOR
R55	QRD167J-103	RESISTOR	R122	QRD167J-103	RESISTOR
			R123	QRD167J-333	RESISTOR
R56	QRD167J-103	RESISTOR			RESISTOR
R57	QRD167J-333	RESISTOR	R124	QRD167J-333	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s
R58	QRD167J-103	RESISTOR	R125	QRD167J-103	RESISTOR
R59	QRD167J-473	RESISTOR	R126	QRD167J-473	RESISTOR
R60	QRD167J-473	RESISTOR	R129	QRD167J-562	RESISTOR
			R130	QRD167J-824	RESISTOR
R61	QRD167J-104	RESISTOR			
R62	QRD167J-152	RESISTOR	R131	QRD167J-474	RESISTOR
R63	QRD167J-392	RESISTOR	R132	QRD161J-333	RESISTOR
R64	QRD167J-103	RESISTOR			
R65	PU57457-473	V RESISTOR , BATT DOWN DETECT	RA2	RGLD3X104J	RESISTOR ARRAY
R66	QRD167J-103	RESISTOR	RA3	RGLD4X103J	RESISTOR ARRAY
R67	QRV147F-2742A	CMF RESISTOR	RA4	RGLD4X103J	RESISTOR ARRAY
R68	QRV147F-6810A	CMF RESISTOR	RA5	EXB-LD4103G	RESISTOR ARRAY
R69	QRV147F-1002A	CMF RESISTOR	1		
R70	QRD167J-105	RESISTOR	CI	QFN41HJ-103	M CAPACITOR
			C2	QFN41HJ-103	M CAPACITOR
R71	QRD167J-105	RESISTOR	C3	QFN41HJ-103	M CAPACITOR
R72	QRD167J-333	RESISTOR	C4	QFN41HJ-103	M CAPACITOR
R73	QRD167J-333	RESISTOR	C5	QER41CM-226	E CAPACITOR
R74	QRD167J-182	RESISTOR	C6	QFN41HJ-103	M CAPACITOR
R75	QRD167J-182	RESISTOR	C7	QCF11HP-103	CAPACITOR
R76	QRD167J-182	RESISTOR	C8	QCF11HP-103	CAPACITOR
R77	QRD167J-182	RESISTOR	C9	QCF11EZ-472	CAPACITOR
R78	QRD167J-182	RESISTOR	C10	QFN41HJ-103	M CAPACITOR
R79	QRD167J-182	RESISTOR			
RBÓ	QRD167J-333	RESISTOR	C11	QFN41HJ-103	M CAPACITOR
	4KD1070 000	NE01010N	Æ C12	QCS11HJ-220	CAPACITOR
R81	QRD167J-333	RESISTOR	À C13	QCS11HJ-220	CAPACITOR
885 881		RESISTOR	C14	QEE41VM-224	TANTAL CAPACITOR
	QRD167J-182		C15	QEE41VM-474	TANTAL CAPACITOR
R83	QRD167J-182	RESISTOR			
R84	QRD167J-182	RESISTOR	C16	QFN41HJ-103	M CAPACITOR
R85	QRD167J-182	RESISTOR	C17	QEPA1HM-105	NP E CAPACITOR M CAPACITOR
R86	QRD167J-182	RESISTOR	C18	QFN41HJ-103	
R87	QRD167J-182	RESISTOR	C19	PU58948-104	CAPACITOR
R88	QRD167J-182	RESISTOR	C50	QER40JM-476	E CAPACITOR
R89	QRD167J-102	RESISTOR		050(10)(17)	E CARLCITOR
R90	QRD167J-102	RESISTOR	C21	QER41CM-476	E CAPACITOR
			C22	QER40JM-107	E CAPACITOR
R91	QRD167J-102	RESISTOR	C23	QER41CM-476	E CAPACITOR

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		PART NO.					PART NAME, DESCRIPTION
	C24		CADACTED				
		QCS11HJ-101 QCS11HJ-101 QER41EM-475	CAPACITUR				
	C25	GC211H7-101	CAPACITUR	IC1		3VT01	IC
	C56	QER41EM-475	E CAPACITOR	1			
	C27	PU58948-104	CAPACITOR CAPACITOR	Q1		2SD973AR	TRANSISTOR
	C28			Q2		2SD639S	TRANSISTOR
	C29	PU58948-104	CAPACITOR	Q3		2SD639S	TRANSISTOR
				ļ			
À	CF1	PU49487-2	RESONATOR	D1		RD9.1EB2	ZENER DIODE
				İ			
Δì	X1	PGZ00580	CRYSTAL RESONATOR	R1		QRD167J-152	RESISTOR
				R2		QRD167J-104	RESISTOR
	Sl	PU53598	TACT SWITCH	R3		QRD167J-104	RESISTOR
	S2	PU53598	TACT SWITCH	R4		QRD167J-121	RESISTOR
	S3	PU53598	TACT SWITCH	R5		QRD167J-121	RESISTOR
	S4	PU53598	TACT SWITCH				
	S5	PU53598	TACT SWITCH	C1		QFN41HJ~393	M CAPACITOR
	S6	PU53598	TACT SWITCH	C2			CAPACITOR
	S7	PU53598	TACT SWITCH	C3		QCS11HJ-820	CAPACITOR
	S8	PU53598	TACT SWITCH	C4		QCS11HJ-820	CAPACITOR
	S9	PGZ00581	SLIDE SWITCH	C5		QCS11HJ-560	CAPACITOR
				C7		QCF11HP-103	CAPACITOR
Δ'n	TH1	PU52108-2R2	POSISTOR	C8		QCT05CH-560	CAPACITOR
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	HD1	PU50634-3	LED HOLDER, X7	Lı		PU59152-220J	PEAKING COIL
		-		L3		PU56175	STEP UP TRANS
Δ	VAl	PU49624-2	VARISTOR	[]		. 5352.5	or rinning
	VA2	PU49624-2	VARISTOR	SLD	,	PGD40933	SHIELD CASE(1)
	VA3	PU49624-2	VARISTOR	SLD	_		SHIELD CASE(2)
	VA4	PU49624-2	VARISTOR	310	~	F6D40734	SHIELD CASE(2)
	VA5	PU49624-2	VARISTOR	SPC	,	PGD40935	SPACER
	VA6	PU49624-2	VARISTOR	3, 0	-	F 6D40735	SPROER
	VA7	PU49624-2	VARISTOR	CN1		DUE 9944 102	CAR HOUSTNO
	VAS	PU49624-2	VARISTOR			PUS0044-102	CAP HOUSING
				CN2		PU58844-102 PU58844-3 PU58844-102R	CAP HOUSING
	TP1	PU56008	TEST PIN	CN3 CN4		PU58844-103R	CAP HOUSING
	TP2	PU56008	TEST PIN	CN4		FU90044-103K	CAP HUUSING
	TP3	PU56008	TEST PIN	******	~~~~		**********
	TP4	PU45908-3	TEST PIN	*****	****	************	************
	CN1	PU58844-11R PU58844-10Y	CAP HOUSING		****	************	********
	CN2	PU58844~10Y	CAP HOUSING			.2.10 FULL ERASE	
	CN3	PU58844-111Y					********
	CN4	PU58844-110					
	CN5	PU58844-104					
	CN6	DUEDO// 1000	CAP HOUSING	PWB			FE HEAD BOARD
		PU58844-102R	CHI HOUSTING			PGE40185	
	CN7	PU58844-102K PU58844-3R	CAP HOUSING	PWB		PGE40185	TE HEAD DONNO
	CN7 CN8	PU58844-102K PU58844-3R PU58844-3	CAP HOUSING CAP HOUSING				
	CN7 CN8 CN9	PU58844-3R PU58844-3 PU54537-2	CAP HOUSING CAP HOUSING CAP HOUSING				**********
	CN7 CN8 CN9 CN10	PU58844-3R PU58844-3 PU54537-2 PU54537-2	CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING				
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<u>Á</u> .	CN7 CN8 CN9 CN10  CN11 CN12 CN13 CN14 CN15 CN17 CN18 CN19 CN20  CN20  CN22  CP1 CP2  **********************************	PU58844-3R PU58844-3 PU54537-2 PU54537-2 PU54537-2 PU58844-102 PU58844-102 PU58844-11 PU58844-11 PU58844-109 PU58844-102 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2	CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HO	********  PWB  IC1 IC2 IC3 IC4 IC5 Q1 Q2 Q3 Q4 Q5 Q6	*****  ****  ****  A	**************************************	***********  ******************  ******
<u>Á</u> .	CN7 CN8 CN9 CN10  CN11 CN12 CN13 CN14 CN15 CN17 CN18 CN19 CN20  CN20  CN22  CP1 CP2  **********************************	PU58844-3R PU58844-3 PU54537-2 PU54537-2 PU54537-2 PU58844-102 PU58844-102 PU58844-11 PU58844-11 PU58844-109 PU58844-102 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2	CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP ASSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOU	********  PWB  IC1 IC2 IC3 IC4 IC5 IC6 Q1 Q2 Q3 Q4 Q4 Q6 Q7 Q8	**** **** * 6 ****	**************************************	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
À ****	CN7 CN8 CN9 CN10  CN11 CN12 CN13 CN14 CN15 CN17 CN18 CN19 CN20  CN20  CN22  CP1 CP2  **********************************	PU58844-3R PU58844-3 PU54537-2 PU54537-2 PU54537-2 PU58844-102 PU58844-102 PU58844-11 PU58844-11 PU58844-109 PU58844-102 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2 PU58844-2	CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP ASSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOUSING CAP HOU	********  PWB  IC1 IC2 IC3 IC4 IC5 IC6 Q1 Q2 Q3 Q4 Q5 Q6	**** **** * 6 ****	**************************************	**************************************

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	. PART NO.	PART NAME, DESCRIPTION	#A REF NO.		PART NAME, DESCRIPTION
R1	QRSA08J-272YN	RESISTOR		00011/15 51114	OME DECICION
R2	QRSA08J-222YN	RESISTOR	R71	QRV141F-5111A	CMF RESISTOR
R3 R4	QRSA08J-681YN	RESISTOR	R73	QRD167J-470	RESISTOR CMF RESISTOR
R5	QRSAO8J-222YN QRSAO8J-272YN	RESISTOR	R74	QRV141F-4701A	CMF RESISTOR
R6		RESISTOR	R75	QRV141F~5601A	V RESISTOR
R7	QRSAO8J-472YN QRSAO8J-223YN	RESISTOR RESISTOR	R76 R77	QVPC402-102	CMF RESISTOR
R8	QRSA08J-223YN	RESISTOR	R78	QRV141F-4701A QRD167J-470	RESISTOR
R 9	QRSA08J-473YN	RESISTOR	R79	QRSA08F-332YN	RESISTOR
RÍO	QRSA08J-473YN	RESISTOR	R80	QRSAOSF-332YN	RESISTOR
	4			duonos. corin	
R11	QRSA08J-103YN	RESISTOR	R81	QRSA08F-332YN	RESISTOR
R12	QRSA08J-103YN	RESISTOR	R82	QRSA08F-332YN	RESISTOR
R13	QRSAD8J-101YN	RESISTOR	R83	QRV141F-5111A	CMF RESISTOR
R14	QRSAD8J-392YN	RESISTOR	R85	QRD167J-470	RESISTOR
R 15	QRSAD8J-334YN	RESISTOR	R86	QRV141F-4701A	CMF RESISTOR
R16	QRSAD8J-154YN	RESISTOR	R87	QRV141F-5601A	CMF RESISTOR
R18	QRSAD8J-472YN	RESISTOR	R88	QVPC402-102	V RESISTOR
R19	QRSA08J-472YN	RESISTOR	R89	QRV141F-4701A	CMF RESISTOR
R20	QRSA08J-473YN	RESISTOR	R90	QRD167J-470	RESISTOR
R21	QRSAD8J-473YN	RESISTOR	R91	QRSA08J-103YN	RESISTOR
R22	QRSA08J-104YN	RESISTOR	R92	QRSA08J-103YN	RESISTOR
R23	QRSA08J-104YN	RESISTOR	R93	QRSAO8J-103YN	RESISTOR
R24	QRSA08J-104YN	RESISTOR	R94	QRSA08J-103YN	RESISTOR
R25	QRSAD8J-104YN	RESISTOR	R95	QRSAO8J-472YN	RESISTOR
R26	QRSA08J-272YN	RESISTOR	R96	QRSA08J-472YN	RESISTOR
R27	QRSA08J-222YN	RESISTOR	R97	QRSA08J-472YN	RESISTOR
R28	QRSA08J-681YN	RESISTOR	R98	QRSA08J-472YN	RESISTOR
R29	QRSA08J-222YN	RESISTOR	R99	QRSA08J-103YN	RESISTOR
R30	QRSA08J-272YN	RESISTOR	R100	QRSA08J-123YN	RESISTOR
071	0001001 (7000	DECTOR			05070700
R31	QRSA08J-472YN	RESISTOR	R101	QRSA08J-473YN	RESISTOR
R32	QRSA08J-223YN	RESISTOR	R102	QRSA08J-473YN	RESISTOR
R33 R34	QRSA08J-223YN	RESISTOR RESISTOR		00743114-103	CAPACITOR
R35	QRSA08J-473YN	RESISTOR	C1	QCYAIHK-102	
R36	QRSA08J-473YN QRSA08J-103YN	RESISTOR	C2 C3	QEE41AM-475	TANTAL CAPACITOR TANTAL CAPACITOR
R37	QRSA08J-103YN	RESISTOR	C4	QEE41AM-475 QER41CM-106	E CAPACITOR
R38	QRSA08J-101YN	RESISTOR	C5	QEPAIAM-226	NP E CAPACITOR
R39	QRSA08J-392YN	RESISTOR	C6	QCSA1HJ-330	CAPACITOR
R40	QRSA08J-334YN	RESISTOR	C7	QCSA1HJ-330	CAPACITOR
			C8	QEK41AM-107	E CAPACITOR
R41	QRSA08J-154YN	RESISTOR	C9	QER41CM-106	E CAPACITOR
R43	QRSA08J-472YN	RESISTOR	C10	QER41CM-106	E CAPACITOR
R44	QRSA08J-472YN	RESISTOR			
R45	QRSA08J-473YN	RESISTOR	C11	QEPA1AM-106	NP E CAPACITOR
R46	QRSA08J-473YN	RESISTOR	C12	QEPA1AM-106	NP E CAPACITOR
R47	QRSA08J~223YN	RESISTOR	C13	QEPA1AM-106	NP E CAPACITOR
R48	QRSA08J-223YN	RESISTOR	C14	QEPAIAM-106	NP E CAPACITOR
R49	QRSA08J-223YN	RESISTOR	C15	QCYA1HK-102	CAPACITOR
R50	QRSA08J-103YN	RESISTOR	C16	QEE41AM-475	TANTAL CAPACITOR
			C17	QEE41AM-475	TANTAL CAPACITOR
R51	QRSA08J-103YN	RESISTOR	C18	QER41CM-106	
R52	QRSA08J-223YN	RESISTOR	C19	QEPAIAM-226	NP E CAPACITOR CAPACITOR
R53	QRSA08J-473YN	RESISTOR	C20	QCSA1HJ-330	CAPACITOR
R54	QRSA08J-223YN	RESISTOR	621	0004141-770	CARACITOR
R55	QRSA08J-223YN QRSA08J-223YN	RESISTOR	C21	QCSA1HJ-330	CAPACITOR E CAPACITOR
R56 R57	QRSAUBJ-223YN	RESISTOR RESISTOR	C23	QEK41AM-107 QER41CM-106	E CAPACITOR
R58	QRSA08J-473YN	RESISTOR	C24	QER41CM-106	E CAPACITOR
R59	QRSA08J-332YN	RESISTOR	C27	QER410M-106	E CAPACITOR
R60	QRSA08J-332YN	RESISTOR	C28	QEK41AM-107	E CAPACITOR
400	######################################		C29	QCSA1HJ-470	CAPACITOR
R61	QRSA08J-681YN	RESISTOR			
R62	QRSA08J-681YN	RESISTOR	C32	QCSA1HJ-470	CAPACITOR
R63	QRSA08J-103YN	RESISTOR	C33	QER41CM-106	E CAPACITOR
R64	QRSA08J-103YN	RESISTOR	C34	QER41CM-106	E CAPACITOR
R65	QRSA08J-103YN	RESISTOR	C36	QEK41AM-107	E CAPACITOR
R66	QRSA08J-103YN	RESISTOR	C37	QEK41AM-107	E CAPACITOR
R67	QRSA08F-332YN	RESISTOR	C38	QEK41AM-107	E CAPACITOR
R68	QRSA08F-332YN	RESISTOR	C39	QEK41AM-107	E CAPACITOR
R69	QRSA08F-332YN	RESISTOR	C40	QEK41AM-107	E CAPACITOR
R70	QRSA08F-332YN	RESISTOR	ļ		

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#A REF NO	. PART NO.	PART NAME, DESCRIPTION	#A REF NO.	PART NO.	PART NAME, DESCRIPTION
C41	0EV61AM-107	E CAPACITOR	S6	PGZ00766	SLIDE SWITCH
	QEK-1AM-107	E CAPACITOR			
C42	QEK41AM-107	E CAPACITUR	S7		SLIDE SWITCH
C43	QEK41AM-227	E CAPACITUR	\$8	PU57908	`SLIDE SWITCH
C44	QER41CM-106	E CAPACITOR	1		
C45	QEK41AM-107 QEK41AM-107 QEK41AM-227 QEK41CM-106 QCSA1HJ-330	CAPACITOR	CN1	PU58844-104	CAP HOUSING
C46	QCSA1HJ-330	CAPACITOR	CN2	PU58844-107	CAP HOUSING
C47	QCSA1HJ-330	CAPACITOR	CN3	PU58844-110Y	CAP HOUSING
C48	QCSA1HJ-330	CAPACITOR	CN4	PU58844-105	CAP HOUSING
C49	QER41CM-106	E CAPACITOR	CN5	PU58844-102Y	
C50	QER41CM-106	E CAPACITOR	CN6	PU58844-102R	
020	42K410K 100	L GAI ASTION	CN7	PU58844-102	CAP HOUSING
C51	0EP61CM-104	E CARACTTOR	CITY	PU56644-102	CAP HUUSING
	QER41CM-106	E CAPACITOR			
C52	QER41CM-106	E CAPACITOR	大会 ぶ 大会会会会会会	*******	******************
			1		
SWI	QSS1A43-L01	SLIDE SWITCH			
SW2	QSS1A43-L01	SLIDE SWITCH	****	************	************
SW3	QSS1A42-L01	SLIDE SWITCH	*	6.2.14 VIDEO PREA	AMP BOARD ASSY 1 6 *
SW4	QSS1A42-L01	SLIDE SWITCH	****	************	*********
SW5	QSS1A42-L01	SLIDE SWITCH	1		
			1		
VA1	PU49624-2	VARISTOR	PWBA	PGE20243A-01	VIDEO PRE AMP BOARD ASSY
VA2			, 450	FGE20243A-01	ATDED LVE WALL BOWED W221
	PU49624-2	VARISTOR			
VA3	PU49624-2	VARISTOR	ICI	HA11782	IC
VA4	PU49624-2	VARISTOR	1		
VA5	PU49624-2	VARISTOR	Q1	2SC2778C	TRANSISTOR
			Q2	2SC2778C	TRANSISTOR
CN1	PU58844-106R	CAP HOUSING	Q3	2SC2778C	TRANSISTOR
CN2	PU58844-110	CAP HOUSING	Q4	2SC2778C	TRANSISTOR
CN3	PU58844-106	CAP HOUSING	ł		
CN4	PU58844-106 PU58844-10R PU58844-7R	CAP HOUSING	Rl	QRSA08J-3R9YN	C RESISTOR
CN5	PU58844-7R	CAP HOUSING	R2	QRSA08J-390YN	RESISTOR
CN6	PU58844-2		R3		
CIND	FU30044-2	CAP HOUSING		QRSA08J-390YN	RESISTOR
			R4	QRSA08J-3R9YN	C RESISTOR
****	**********	********************	R5	QRSA08J-122YN	RESISTOR
			R6	QRSA08J-122YN	RESISTOR
			R7	QRSA08J-122YN	RESISTOR
***		***********	R8	QRSA08J-122YN	RESISTOR
*	6.2.12 AUDIO CON	NECTOR BOARD ASSY 14 *	R9	QRSA08J-104YN	RESISTOR
***		*****************	R10	QRSA08J-103YN	RESISTOR
			R11	QRSA08J-123YN	RESISTOR
PWBA	DCE 400774 00	AUDIO CONVECTOR ACCV	R12	QRSA08J-123YN	RESISTOR
FWDA	PGE40273A-02	AUDIO CONNECTOR ASSY	R13		
	511/6556 6551	***		QRSA08J-104YN	RESISTOR
Ll	PU48530-8R2K	COIL, X4, (L1-L4)	R14	QRSA08J-103YN	RESISTOR
			R15	PU57457-682	V RESISTOR , PB CH BAL
VAl	PU49624-2	VARISTOR, X4, (VA1-VA4)	R16	QRSA08J-101YN	RESISTOR
			R17	QRSA08J-333YN	RESISTOR
CN1	PU58844-106	CAP HOUSING	R18	QRSA08J-681YN	RESISTOR
CN2	PGZ00928	XLR CONNECTOR	R19	QRSA08J-681YN	RESISTOR
CN3	PGZ00928	XLR CONNECTOR	R20	PU57457-471	RESISTOR
		7 an	· ·		
*******	*****	***************	R21	PU57457-471	RESISTOR
~~~~~~~~	***********	************		1037437 471	RESISTOR
			C3	0554154-105	T 010107700
*****			C1	QEE41EM-105	T CAPACITOR
***		****************	C2	QEE41EM-105	T CAPACITOR
*	6.2.13 SWITCH BOA	ARD ASSY 1 5	C3 ,	QCYA1HK-223	CAPACITOR
***	**********	**********	C4	QCYA1HK-223	CAPACITOR
			C5	QCYA1HK-223	CAPACITOR
			C6	QCYA1HK-223	CAPACITOR
PWBA	PGE30055A-05	SWITCH BOARD ASSY	C7	QCYA1HK-223	CAPACITOR
			C8	QCYA1HK-223	CAPACITOR
R1	PGZ00687	V RESISTOR , NORMAL AUD-1	C9	QCYA1HK-223	CAPACITOR
R2	PGZ00687	V RESISTOR , NORMAL AUD-2			
			C10	QCYA1HK-223	CAPACITOR
R3	PGZ00688	V RESISTOR , FM AUD-1			
R4	PGZ00688	V RESISTOR , FM AUD-2	C11	QCYA1HK-223	CAPACITOR
R5	PGZ00688	V RESISTOR , MONITOR LEV	C12	QCYA1HK-223	CAPACITOR
R6	PGZ00759	V RESISTOR , TRACKING	C13	QCYA1HK-223	CAPACITOR
R7	QRD161J-222	RESISTOR	C14	QCYA1HK-223	CAPACITOR
	*		C15	QER40JM-476	E CAPACITOR
Sì	PU57908	SLIDE SWITCH	C16	QCYA1HK-223	CAPACITOR
\$2	PU57908	SLIDE SWITCH	C17	QER40JM-476	E CAPACITOR
S3	PU57908	SLIDE SWITCH	C18	QCYA1HK-223	
\$4					CAPACITOR
	PU57908	SLIDE SWITCH	C19	QCYA1HK-223	CAPACITOR
S 5	PU57956	SLIDE SWITCH	C20	QCYA1HK-223	CAPACITOR

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# <u>∧</u> R	EF NO.	PART NO.	PART NAME, DESCRIPTION	#A REF NO.	PART NO.	PART NAME, DESCRIPTION
						~
_			CARACTTOR	. A VA1	PU49624-2	VARISTOR
	21	QCT05CH-100	CAPACITOR TRIMMER CAPACITOR , 2CH F	A VA2	PU49624-2	VARISTOR
	22	PU57458-500	CAPACITOR , ZON P	A VA3	PU49624-2	VARISTOR
	23	QCT05CH-100 PU57458-500	TRIMMER CAPACITOR , 1CH F	<u> </u>		
U	24	PU5/450-500	INTIMIER CAPACITOR , 100 1	*******	*********	***********
	.1	PU53223-101G	PEAKING COIL			
	.2	PU53223-101G	PEAKING COIL			
	.3	PU53223-4R7G	PEAKING COIL	****	******	********
	.4	PU53223-4R7G	PEAKING COIL	*	6.2.19 FUSE BOARD	ASSY 2 5 *
_				****	**********	**********
s	SLD1	PRD42031-01-01	SHIELD CASE(1)			
	LD2	PRD42032	SHIELD CASE(2)			
s	SLD3	PRD42205	SHEET	PWBA	PGE40239A	FUSE BOARD ASSEMBLY
s	SLD4	PRD42103	SHEET			
				D1	D10SC3M	DIODE
W	/1	PGZ00641	S.CABLE	D2	D10SC3M	DIODE
				0473	00040771	FUSE BOARD BRACKET
T	rP4	PU56008	TEST-PIN	BKT1	PGD40771	FUSE BUAND BRACKET
				Æ HD1	PU51212	FUSE CLIP
	CN1	PU58844-9	CAP HOUSING	₩ uni	, 031212	
	SN2	PU59974-11	CAP HOUSING	~~~~××××××××××××××××××××××××××××××××××	******	*******
	CN3	PGZ00642-05	CONNECTOR	*****		
C	CN4	PU58844-3	CAP HOUSING			
****		~~~~~	***********	***	*********	************ ** ********
***	****	********	***************************************	*	6.2.20 MAIN SWITE	CH BOARD ASSY 2 6 *
				***		**********
	****	*****	**********]		
			OR BOARD ASSY 1 8 *			
	****	**********	**********	PWBA	PGE40244A	MAIN SWITCH BOARD ASSEMBLY
				⚠ SW1	PGZ00597	MAIN SWITCH
P	PWBA	PGE40156A	START SENSOR BOARD ASSY			
				BKT1	PGD40930	SWITCH BRACKET
	3 T 1	PN207TR	PHOTO TRANSISTOR	1		
P	PT1	FREUTIN	LUGIO INMISTRION	1		
				********	*************	******************
	ci	QCF11HP-473	CAPACITOR	********	(************	*************************
c	C1	QCF11HP-473	CAPACITOR			
c	C1	QCF11HP-473			(XXXXXXXXXXXXXXX	**************************************
c	C1	QCF11HP-473	CAPACITOR	*** *	«*************** 6.2.21 OPERATION	
c	C1 *****	QCF11HP-473	CAPACITOR	*** *	«*************** 6.2.21 OPERATION	**************************************
c	C1 *****	QCF11HP-473	CAPACITOR	*** *	«*************** 6.2.21 OPERATION	**************************************
c	***** ***** ****	QCF11HP-473 ************************************	CAPACITOR ***********************************	*** *	«*************** 6.2.21 OPERATION	**************************************
c	***** ***** ****	QCF11HP-473 ************************************	CAPACITOR	**** * ****	**************************************	**************************************
c	***** ***** ****	QCF11HP-473 ************************************	CAPACITOR ***********************************	**** * ****	**************************************	**************************************
C ****	***** ***** ****	QCF11HP-473 ************************************	CAPACITOR ***********************************	***** * **** PWBA	**************************************	**************************************
C ****	C1 ****** **** * ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	HHHH H HHHH PWBA IC1 Q1	6.2.21 OPERATION ***********************************	**************************************
C *****	C1 ****** **** * ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	HHHA PWBA IC1 Q1 Q2	######################################	**************************************
C *****	C1 ****** **** **** ****	QCF11HP-473 ***************** *************** 6.2.16 END SENSOR *************** PGE40157A PN207TR	CAPACITOR ***********************************	HHHH H HHHH PWBA IC1 Q1	6.2.21 OPERATION ***********************************	**************************************
C ***** P	C1 ****** **** **** ****	QCF11HP-473 ***************** ******************	CAPACITOR ***********************************	**** * **** PWBA IC1 Q1 Q2 Q3	**************************************	**************************************
C ***** F F	C1 ****** **** **** **** PWBA PT1 C1	QCF11HP-473 ***************** *************** 6.2.16 END SENSOR *************** PGE40157A PN207TR QCF11HP-473	CAPACITOR ******************************** ****	HHHA PWBA IC1 Q1 Q2	######################################	**************************************
C ***** F F	C1 ****** **** **** **** PWBA PT1 C1	QCF11HP-473 ******************* 6.2.16 END SENSOR **************** PGE40157A PN207TR QCF11HP-473	CAPACITOR ***********************************	#### # #### PWBA IC1 Q1 Q2 Q3	######################################	**************************************
C ***** F F	C1 ****** **** **** **** PWBA PT1 C1	QCF11HP-473 ******************* 6.2.16 END SENSOR **************** PGE40157A PN207TR QCF11HP-473	CAPACITOR ******************************** ****	***** PWBA IC1 Q1 Q2 Q3 D1 R1	######################################	**************************************
C ***** F F	C1 ******* **** **** **** PWBA PT1 C1 *******	QCF11HP-473 ***********************************	CAPACITOR ***************************** ******	***** PWBA IC1 Q1 Q2 Q3 D1 R1 R2	######################################	**************************************
C ***** F F	********** ***** **** **** **** PWBA PT1 C1 ********	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### ##### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3	######################################	**************************************
C ***** F F	********* **** **** **** PWBA PT1 C1 ****** ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4	######################################	**************************************
C ***** F F	********* **** **** **** PWBA PT1 C1 ****** ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	**** PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5	######################################	**************************************
C ***** F F	********* **** **** **** PWBA PT1 C1 ****** ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4	######################################	**************************************
C ************************************	21 ****** **** **** **** PWBA PT1 C1 ****** **** ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	**** PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5	######################################	**************************************
C ************************************	********* **** **** **** PWBA PT1 C1 ****** ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	***** PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6	######################################	**************************************
#***** F F C *****	******** **** **** **** PWBA PT1 C1 ****** ***** ***** PWBA	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6	######################################	**************************************
#***** F F C *****	21 ****** **** **** **** PWBA PT1 C1 ****** **** ****	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### # #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6	######################################	**************************************
C ****** P F C ****** A F F	******** **** **** **** PWBA PT1 C1 ****** **** PWBA PWBB	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4	######################################	**************************************
C ****** P F C ****** A F F	******** **** **** **** PWBA PT1 C1 ****** **** PWBA PWBB	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4 C5	######################################	**************************************
C ****** P F C ****** A F F	21 ******* **** **** **** PWBA PT1 C1 ***** **** PWBA PWBB	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4	######################################	**************************************
C ****** P F C ****** A F F	21 ****** **** **** PWBA PT1 C1 ***** **** PWBA PWBB ******** **********************	QCF11HP-473 ***********************************	CAPACITOR ***********************************	**** PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4 C5 SW1	######################################	**************************************
C ****** P F C ****** A F F	C1 ****** **** **** PWBA PT1 C1 ***** **** PWBA PWBB ****** ************************	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### # #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4 C5 SW1	######################################	**************************************
C ****** P F C ****** A F F	C1 ****** **** **** PWBA PT1 C1 ***** **** PWBA PWBB ****** ************************	QCF11HP-473 ***********************************	CAPACITOR ***********************************	**** PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4 C5 SW1	######################################	**************************************
C ****** P F C ****** A F F	C1 ****** **** **** PWBA PT1 C1 ***** **** PWBA PWBB ****** ************************	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4 C5 SW1	######################################	**************************************
A F F ****	C1 ****** **** **** PWBA PT1 C1 ***** **** PWBA PWBB ****** ************************	QCF11HP-473 ***********************************	CAPACITOR ***********************************	#### #### PWBA IC1 Q1 Q2 Q3 D1 R1 R2 R3 R4 R5 R6 C1 C2 C3 C4 C5 SW1	######################################	**************************************

#A REF NO	. PART NO.	PART NAME, DESCRIPTION	#A REF NO		PART NAME, DESCRIPTION
			R41	QRSA08J-102YN	RESISTOR
			R42	QRSA08J-104YN	RESISTOR
		************	R43	QRSA08J-103YN	RESISTOR
*	6.2.22 PB COMB B	OARD ASSEMBLY 2 9 *	R44	QRSA08J-103YN	RESISTOR
***	******	*********	R45	QRSA08J-393YN	RESISTOR
			R46	QRSA08J-103YN	RESISTOR
			R47	QRSA08J-472YN	RESISTOR
PWBA	PGE20229A-01	PB COMB BOARD ASSEMBLY	R48	QRSA08J-152YN	RESISTOR
			R49	QRSA08J-332YN	RESISTOR
ICl	CXL1004P	IC	R50	QRSAD8J-DROY	RESISTOR
IC2	CXL1004P	IC	[
			C1	QCYA1HK-223	CAPACITOR
Ql	2SC2778C	TRANSISTOR	C2	QCYA1HK-223	CAPACITOR
Q2	2SC2778C	TRANSISTOR	C3	QER41HM-105	E CAPACITOR
Q3	2SC2778C	TRANSISTOR	C4	QER41EM-335	E CAPACITOR
Q4	2SC2778C	TRANSISTOR	C5	QCSA1HJ-101	CAPACITOR
Q5	2SC2778C	TRANSISTOR	C6	QCYA1HK-223	CAPACITOR
Q6	2SC2778C	TRANSISTOR	C7	QER41CM-476	E CAPACITOR
Q7	2SC2778C	TRANSISTOR	C8	QER41EM-335	E CAPACITOR
Q8	2SC2778C	TRANSISTOR	C9	QER41EM-335	E CAPACITOR
Q9	2SC2778C	TRANSISTOR	C10	QCYA1HK-223	CAPACITOR
Q10	2SC2778C	TRANSISTOR	633	050/104 10/	- 04D40770B
			Cll	QER41CM-106	E CAPACITOR
Q11	2SC2778C	TRANSISTOR	C12	QER41CM-106	E CAPACITOR
Q12	2SC2778C	TRANSISTOR	C13 C14	QCYA1HK-223	CAPACITOR
Q13	2SC2778C	TRANSISTOR	I .	QCSA1HJ-120	CAPACITOR
0.1	10000		C15 C16	QER41HM-105	E CAPACITOR
Dl	15599	DIODE	C17	QER41EM-335 QCSA1HJ-101	E CAPACITOR
R1	QRSA08J-105YN	DECTOTOR	C18	QCYA1HK-223	CAPACITOR CAPACITOR
R2	QVZ3531-102	RESISTOR	C19	QER41CM-476	E CAPACITOR
R3	QRSA08J-223YN	V RESISTOR , CCD BIAS RESISTOR	C20	QER41EM-335	E CAPACITOR
R4	QRSA08J-333YN	RESISTOR	1	22	2 000 002 000
R5	QRSA08J-OROY	RESISTOR	C21	QER41EM-335	E CAPACITOR
R6	QRSA08J-272YN	RESISTOR	C22	QCYA1HK-223	CAPACITOR
R7	QRSA08J-101YN	RESISTOR	C23	QER41CM-106	E CAPACITOR
R8	QRSA08J-122YN	RESISTOR	C24	QER41CM-106	E CAPACITOR
R9	QRSA08J-105YN	RESISTOR	C25	QCYA1HK-223	CAPACITOR
R10	QVZ3531-102	V RESISTOR , CCD BIAS	C26	QCSA1HJ-220	CAPACITOR
			C27	QCSAlhJ-151	CAPACITOR
R11	QRSA08J-223YN	RESISTOR	C28	QER41CM-476	E CAPACITOR
R12	QRSAO8J-333YN	RESISTOR	C29	QCSA1HJ-330	CAPACITOR
R13	QRSAD8J-OROY	RESISTOR	C30	QCYA1HK-223	CAPACITOR
R14	QRSA08J-272YN	RESISTOR			
R15	QRSA08J-102YN	RESISTOR	C31	QER41CM-476	E CAPACITOR
R16	QRSA08J-221YN	RESISTOR	C32 C33	QER41CM-106	E CAPACITOR
R17	QRSA08J-561YN	RESISTOR	C34	QER41CM-106 QCSA1HJ-150	E CAPACITOR
R18 R19	QVZ3531-102	V RESISTOR , 2H DL LEV	C35	QCSA1HJ-101	CAPACITOR CAPACITOR
R20	QRSAD8J-273YN QRSAD8J-103YN	RESISTOR	C36	QER41CM-476	E CAPACITOR
REU	MK2MD00-ID31M	RESISTOR	C37	QCYA1HK-822	CAPACITOR
R21	QRSA08J-102YN	RESISTOR	C38	QER41CM-476	E CAPACITOR
R22	QVZ3531-682	V RESISTOR , 2H DL PHASE	C39	QCYA1HK-223	CAPACITOR
R24	QRSA08J-102YN	RESISTOR	C40	QER41CM-476	E CAPACITOR
R25	QRSA08J-152YN	RESISTOR			
R26	QRSA08J-333YN	RESISTOR	C41	QCSA1HJ-221	CAPACITOR
R27	QRSA08J-333YN	RESISTOR	ı		
R28	QRSAO8J-333YN	RESISTOR	L1	PGZ00638-101	COIL
R29	QRSA08J-333YN	RESISTOR	L2	PGZ00638-101	COIL
R30	QRSA08J-101YN	RESISTOR	L3	PU53618~4R7J	PEAKING COIL
			L4	PGZ00638-101	COIL
R31	QRSAD8J-101YN	RESISTOR	L5	PGZ00638-101	COIL
R32	QRSAD8J-681YN	RESISTOR	L6	PU53223-100J	PEAKING COIL
R33	QRSAD8J-221YN	RESISTOR	L7	PGZ00638-101	COIL
R34	QRSAD8J-102YN	RESISTOR	L8	PGZ00638-101	COIL
R35	QRSA08J-222YN	RESISTOR	1051-1	96701034	IOM DACC ETLIED
R36 R37	QRSAO8J-221YN	RESISTOR	LPF1-1 LPF1-2		LOW PASS FILTER
R38	QRSA08J-562YN	RESISTOR	FLL1-5	1 3201037	LOW PASS FILTER
R39	QRSA08J-221YN QRSA08J-222YN	RESISTOR RESISTOR	К1	PGZ00627Z	CHIP FERRITE BEADS
R40	QRSAU8J-102YN	RESISTOR	K2	PGZ00627Z	CHIP FERRITE BEADS
••	THOUSON, TOT IM	ACO2010R	K3	PGZ00627Z	CHIP FERRITE BEADS
			K4	PGZ00627Z	CHIP FERRITE BEADS
			K5	PGZ00627Z	CHIP FERRITE BEADS
				· -	

*A		PART NO.	PART NAME, DESCRIPTION	i	. PART NO.	PART NAME, DESCRIPTION
	K 6	PGZ00627Z	CHIP FERRITE BEADS	R29	QRSA08J-271YN	RESISTOR
		PGZ00627Z		R30		
	K7	P62006272	CHIP FERRITE BEADS	, ×30	QRSA08J-152YN	RESISTOR
	К8	PG200627Z	CHIP FERRITE BEADS CHIP FERRITE BEADS	l		
	K 9	PGZ00627Z	CHIP FERRITE BEADS	R31	QRSA08J-104YN	RESISTOR
	K 10	PGZ00627Z	CHIP FERRITE BEADS	R32	QRSA08J-103YN	RESISTOR
				R33	QRSA08J-182YN	RESISTOR
	K11	PGZ00627Z	CHIP FERRITE BEADS	R34	QRSA08J-392YN	RESISTOR
				R35	QRSA08J-562YN	RESISTOR
	J1	QWE251-06A2A2	WIRE	R36	QRSA08J-182YN	RESISTOR
					4	W201010W
	SLD1	PGD40946	SHIELD CASE	Cı	QFN41HJ-102	M CAPACITOR
	SLD2	PGD40947	SHIELD CASE	C2	QFP42AF-272	PD CARACTION
	3202	1 9040741	SHIELD CASE		QFF42AF-272	PP CAPACITOR
	TO:	00701015	CUID TEST DOINT YT	C3	QFN41HJ-102 QFP42AF-272 QER40JM-476 QCYA1HK-223	M CAPACITOR
	TP1	PGZ01015	CHIP TEST POINT, X3	C4	QFP42AF-272	PP CAPACITOR
	TP GND	PU56008	TEST POINT	C5	QER40JM-476	E CAPACITOR
		. 555555		C6	QCYA1HK-223	CAPACITOR
				C7	QCTA1CH-331	CAPACITOR
	CN1	PGZ00724-10	CONNECTOR	C8	QCTA1CH-331	CAPACITOR
	CN2	PGZ00724-11	CONNECTOR	C9	QCYA1HK-223	CAPACITOR
	CN3	PU58844-109	CAP HOUSING	C10	QCFA1EZ-104	CAPACITOR
				1		
***	*****	**********	******************	C12	QCYA1HK-223	CAPACITOR
				C13	QCYA1HK-223	CAPACITOR
			*********	C14	QCSA1HJ-101	CAPACITOR
	* (6.2.23 COLOR SUB	BOARD ASSY 3 2 *	C15	QER40JM-476	E CAPACITOR
	****	*******	********	C16		
					QCYA1HK-223	CAPACITOR
	DIJDA	BCC202714-01	COLOR CUR BOARD ACCEMBLY	C17	QCYA1HK-223	CAPACITOR
	PWBA	PGE20231A-01	COLOR SUB BOARD ASSEMBLY	C18	QCYA1HK-223	CAPACITOR
				C19	QCYA1HK-223	CAPACITOR
	ICl	MN4538BS	IC	Ç20	QCYA1HK-223	CAPACITOR
	I C2	MN4528BS	IC			
	IC3	AN6308S	IC	C21	QCYA1HK-223	CAPACITOR
	IC4	SN76515P	IC	C22	QER41CM-106	E CAPACITOR
	I C5	M51204TL	IC	C23	QCYA1HK-223	CAPACITOR
	Q1	2SC2778C	TRANSISTOR	L1	PU53223-221J	COIL
	Q2	2SC2778C	TRANSISTOR	ĹŽ	PU53223-471J	COIL
	Q3	2SC2778C	TRANSISTOR	L3		
	Q4	2SC2778C	TRANSISTOR		PU53223-221J	COIL
	05		TRANSISTOR	CN1	OMVEGG1 000	1101107110
		2SC2778C			QMV5001-008	HOUSING
	Q6	2SC2778C	TRANSISTOR	CN2	QMV5001-007	HOUSING
		D4306K	ntone	~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~		
	Dl	DA204K	DIODE	***	*****	*****************
			W DESTATOR			
	R 1	QVZ3531-472	V RESISTOR			
	R2	QRSA08J-103YN	RESISTOR	***	********** *	********
	R3	QRSA08J-103YN	RESISTOR	*	6.2.24 A/C HEAD B	OARD 3 5 *
	R4	QRSA08J-103YN	RESISTOR	***	***********	*******
	R 5	QVZ3531-472	V RESISTOR			
	R6	QRSA08J-103YN	RESISTOR			
	R 7	QVZ3531-223	V RESISTOR	PWB	PGE40009	A/C HEAD BOARD
	R8	QRSA08J-562YN	RESISTOR			
	R 9	QRSA08J-103YN	RESISTOR	*******	***********	***********
	R 10	QVZ3531-223	V RESISTOR	'	•	
	R 11	QRSA08J-102YN	RESISTOR	***	******	********** <u>**</u> ***********
	R 12	QRSA08J-103YN	RESISTOR	*	6.2.25 VITC JUNC	BOARD ACCV DE
	R 13	QRSA08J-103YN	RESISTOR	***	C.Z.ZJ VIIC CONC	***********
	R 14	QRSA08J-181YN	RESISTOR	^^^		~~~~~~~~~
	R 15	QRSA08J-102YN	RESISTOR			
	R 16	QRSA08J-223YN	RESISTOR	DUDA	004400074 01	W.T.C
				PWBA	PRK40003A-01	VITC JUNC BOARD ASSY
	R 17	QRSA08J-153YN	RESISTOR			
	R 18	QRSA08J-102YN	RESISTOR	IC1	TC4S81F	IC .
	R 19	QRSA08J-102YN	RESISTOR	IC2	TC4S69F	IC
	R20	QRSA08J-102YN	RESISTOR	_		·
				Dl	188133	DIODE
	R 21	QRSA08J-102YN	RESISTOR	D2	1SS133	DIODE
	R 22	QRSA08J-332YN	RESISTOR	D3	188133	DIODE
	R 23	QRSAD8J-392YN	RESISTOR	D4	188133	DIODE
	R 24	QRSA08J-392YN	RESISTOR	D5	188133	DIODE
	R 25	QRSA08J-183YN	RESISTOR	D6	188133	DIODE
	R26	QRSA08J-103YN	RESISTOR			
	R27	QRSA08J-272YN	RESISTOR	R1	QRSA08J-102YN	RESISTOR
	R28	QRSA08J-821YN	RESISTOR	R2	QRSA08J-102YN	RESISTOR
					TYPHOOD TOEIN	neo2010N

36 37 38

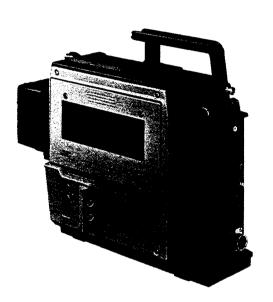
*▲			PART NAME, DESCRIPTION	₩A REF NO.	PART NO.	PART NAME, DESCRIPTION
	R3 R4	QRSA08J-104YN QRSA08J-102YN	RESISTOR	*******	******	*******************
	C1	QER40JM-476	E CAPACITOR	ŀ		
	C2	QCYA1HK-223	CAPACITOR	****	*****	*********
					6.2.27 VIDEO(2)	
	L1	PGZ00638-101	COIL			********
	VA1	PU49624-2	VARISTOR	ļ.		
	CN1	PU58844-108	CAR HOUSTNO	PWBA	PRK40007A-01	VIDEO(2) BOARD ASSY
	CN2	PU58844-110	CAP HOUSING CAP HOUSING		TO/0015	
	CN2	PU58844-102	CAP HOUSING	ICI	TC4S81F	IC
	CNS	F030044-102	CAF HOUSING	IC2	AN6308S	IC
***	*****	*******	********		AN6308S	IC
				Q1	2SA1022C	TRANSISTOR
				Q2	2SC2778C	TRANSISTOR
	. ***	**********	**********	Q3	2SK621	FE TRANSISTOR
	* (6.2.26 ADVANCE RE	C BOARD ASSY 3 7 *	Q4	2SK621	FE TRANSISTOR
	****	******	*********	Q5	2SC2778C	TRANSISTOR
				Q6	2SC2778C	TRANSISTOR
				Q7	2SA1022C	TRANSISTOR
	PWBA	PRK30011B-01	ADVANCE REC BOARD ASSY	Q8	2SD601A(QR)	TRANSISTOR
				Q9	2SA1022C	TRANSISTOR
	IC1	VC2505-2	IC	Q10	2SC2778C	TRANSISTOR
	R2	000147.1-000	PESTSTOP	Q11	25027780	TRANSFERR
	R5	QRD167J-0R0 QRD167J-681	RESISTOR RESISTOR	Q12	2SC2778C 2SC2778C	TRANSISTOR
	R6	QRD167J-331		Q13	2SC2778C	TRANSISTOR
	R7	QRD167J-102	RESISTOR RESISTOR	Q14	2SC2778C	TRANSISTOR
	R8	QVZ3531-101	V RESISTOR	Q15	2SC2778C	TRANSISTOR TRANSISTOR
	R9	QVZ3531-222	V RESISTOR	Q16	2SA1022C	TRANSISTOR
	R10	QVZ3531-332	V RESISTOR	Q17	2SA1022C	TRANSISTOR
				1		TRANSIST OR
	R11	QRD167J-680	RESISTOR	R1	QRSA08J-222YN	RESISTOR
	R12	QRD167J-ORO	RESISTOR	R2	QRSA08J-102YN	RESISTOR
				R3	QRSA08J-222YN	RESISTOR
	B1	PU59499~2	BUS WIRE	R4	QRSA08J-102YN	RESISTOR
	B2	PU59499~2	BUS WIRE	R6	QRSA08J-272YN	RESISTOR
	B3	PU59499-2	BUS WIRE	R7	QRSA08J-272YN	RESISTOR
	B4	PU59499-2	BUS WIRE	R8	QRSA08J-222YN	RESISTOR
	B5	PU59499-3	BUS WIRE	R9	QRSA08J-181YN	RESISTOR
	B6	PU59499-3	BUS WIRE	R10	QRSA08J-273YN	RESISTOR
	B7	PU59499-2	BUS WIRE			
	B8	PU59499-3	BUS WIRE	R11 R12	QRSA08J-222YN	RESISTOR
	C1	QCF11HP-223	CAPACITOR	R13	QRSA08J-102YN QRSA08J-471YN	RESISTOR
	C2	QCF11HP-223	CAPACITOR	R14	QRSA08J-223YN	RESISTOR RESISTOR
	C5	QEE40JM-476	E CAPACITOR	R15	QRSA08J-103YN	RESISTOR
	C6	QER41CM-106	E CAPACITOR	R16	QRSA08J-102YN	RESISTOR
	C7	QCS11HJ-680	CAPACITOR	R17	QRSAD8J-101YN	RESISTOR
	C8	QER41CM-476	E CAPACITOR	R18	QRSA08J-222YN	RESISTOR
	C9	QCF11HP-223	CAPACITOR	R19	QRSA08J-561YN	RESISTOR
	C10	QCS11HJ~560	CAPACITOR	R20	QRSA08J-821YN	RESISTOR
	C11	05040 IM 474	F CADACTTOD			
	C11	QER40JM-476	E CAPACITOR	R21	QRSA08J-102YN	RESISTOR
	C12 C13	QCS11HJ-151	CAPACITOR	R22	QRSA08J-103YN	RESISTOR
	C14	QER41AM-476	E CAPACITOR	R23	QRSA08J-223YN	RESISTOR
	C15	QCS11HJ-680 QCS11HJ-100	CAPACITOR	R24	QRSA08J-152YN	RESISTOR
	C16	QCS11HJ-560	CAPACITOR CAPACITOR	R25	QRSA08J-471YN	RESISTOR
	C17	QER41CM-476	E CAPACITOR	R26 R27	QRSA08J-102YN	RESISTOR
		4007200 770	notion	R28	QRSA08J-152YN QRSA08J-103YN	RESISTOR
	L1	PU53223-221J	COIL	R29	QRSAUBJ-105YN	RESISTOR
	L2	PU53223~100J	COIL	R30	QRSA08J-222YN	RESISTOR RESISTOR
	L3	PU53223-101J	COIL		THE STATE OF THE S	REGISTOR
	L4	PU53223-101J	COIL	R32	QRSA08J-472YN	RESISTOR
	L6	PU48530-270J	COIL	R33	QRSA08J-103YN	RESISTOR
				R34	QRSA08J-103YN	RESISTOR
	TP GND	PU56008	TEST-PIN	R35	QRSA08J-181YN	RESISTOR
				R36	QRSA08J-102YN	RESISTOR
	TP1	PU56008	TEST-PIN		QRSA08J-103YN	RESISTOR
			i			
	CN1	PU58844-111	CAP HOUSING	R38	QRSAO8J-181YN	RESISTOR

#À REF NO.	PART NO.	PART NAME, DESCRIPTION
R40	QRSA08J-102YN	RESISTOR
R41	QRSA08J-103YN	RESISTOR
R42	QRSAD8J-223YN	RESISTOR
R43	QRSA08J-102YN	RESISTOR
R44	QRSA08J-103YN	RESISTOR
R45	QRSAOBJ-223YN	RESISTOR
R46	QVZ3531-681	V RESISTOR
R47	QVZ3531-681	V RESISTOR
R48	QRSA08J-103YN	RESISTOR
	QRSA08J-223YN	RESISTOR
R49 R50	QRSA08J-222YN	RESISTOR
KSU	WK3MUDS-EEETH	RE01010K
R51	QRSA08J-222YN	RESISTOR
R52	QRSADBJ-102YN	RESISTOR
R53	QRSA08J-ORCY	RESISTOR
C1	QCSA1HJ-390	CAPACITOR
C5	QCSA1HJ-121	CAPACITOR
C3	QCFA1EZ-104	CAPACITOR
C4	QCYA1HK-223	CAPACITOR
C5	QER40JM-476	E CAPACITOR
C6	QER40GM-476	ECAP
C7	QCSA1HJ-270	CAPACITOR
C8	QER40JM-476	E CAPACITOR
C9	QCYA1HK-223	CAPACITOR
C10	QER40JM-476	E CAPACITOR
C11	QCSA1HJ-220	CAPACITOR
C12	QEPAOJM-476	NP E CAPACITOR
C13	QEPAGJM-476	NP E CAPACITOR
C14	QCYA1HK-223	CAPACITOR
C15	QCYA1HK-223	CAPACITOR
C16	QCYA1HK-223	CAPACITOR
C17	QCYA1HK-223	CAPACITOR
C18	QCYA1HK-223	CAPACITOR
C19	QCYA1HK-223	CAPACITOR
C20	QCYA1HK-223	CAPACITOR
		E CARACTERS
C21	QER40JM-476	E CAPACITOR
C22	QCYA1HK-223	CAPACITOR
CZ3	QCYA1HK-223	CAPACITOR
C24	QCYA1HK-223	CAPACITOR
C25	QCYA1HK-223	CAPACITOR CAPACITOR
C26	QCYA1HK-223	E CAPACITOR
C27	QER40JM-476	CAPACITOR
C28	QCYA1HK-223	CAPACITOR
L1	PU53223-471J	COIL
ĹŽ	PGZ00638-101	COIL
L3	PGZ00638-101	COIL
L4	PGZ00638-101	COIL
L5	PGZ00638-101	COIL
		COMMESTOR
CN1	PGZ01171-16	CONNECTOR
CN2	PGZ01171-16	CONNECTOR
CN3	PU58844-7	CAP HOUSING
CN4	PU58844-10	CAP HOUSING
*********	·***********	*************

PWBA	PGE40275A	EAR PHONE BOARD ASS
J1	PU47500	MINI JACK, (JACK1)
CNI	PH58844-102	CAP HOUSING

CAMERA ADAPTER

SA-S41E



SPECIFICATIONS

GENERAL

Video signal system

: PAL-type colour signal/PAL-type Y/C signal

Power requirement Power consumption : DC 12 V : 3 watts

Dimensions

: $352(W) \times 248.5(H) \times 137(D)$ mm (when attached to the recorder)

Weight

: 650 g

Operating temperature

: 0°C to 40°C, Non-water proof

Storage temperature

: -20°C to 50°C

VIDEO

Video input

Line Y/C : 0.5 to 2.0 Vp-p, 75 ohms, unbalanced : Y: 1.0 Vp-p, 75 ohms, unbalanced

C: 0.3 Vp-p (Burst), 75 ohms, unbalanced

AUDIO

Audio input

Line Camera microphone

: -6 dBs, 10 k-ohms, unbalanced

: -60 dB, 3 k-ohms, balanced (14-pin: L)

-20 dB, 10 k-ohms, unbalanced (14-pin: H, 10-pin)

ACCESSORIES

: Shoulder strap x 1

Battery for Remote control unit x 2

Remote control unit x 1

Base x 1

INSTRUCTIONS

JVC

SA-S41E

CAMERA ADAPTER ADAPTATEUR DE CAMERA KAMERA-ADAPTER



NOTE:

The rating plate (serial number plate) is on the rear of the unit.

CAUTION

To prevent electric shock, do not open the cabinet. No user serviceable parts inside. Refer servicing to qualified service

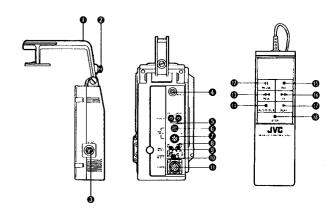
CONTENTS

Features Controls, indic Attaching to th	a	t	01	s	а	n	d	C	01	ır	ıe	C	to	r	5			2
Attaching to the																		
Connections			,															5
Recording										ï								6
Specifications													,					7

FEATURES

- •Allows the BR-S411E or BR-S410EX to be used as a separate portable system in combination with a camera.
- The 14-pin camera connector supplies a maximum of 2 amperes of DC 12 V power to a connected camera.
- ●The video (composite and Y/C443) and audio input terminals permit the BR-S411E or BR-S410EX to record external signals from another video recorder.
- •A remote control terminal is provided so that the recorder can be controlled via the provided remote control unit.

CONTROLS, INDICATORS AND CONNECTORS



- Carrying handle
- @ Hook
- AV OUT connector

Using the optional RF unit, connect this terminal to the antenna terminal of a TV receiver for playback or monitoring.

- **⚠** REMOTE connector
- Connect the provided remote control unit. O AUDIO IN AUD-1 (L)/AUD-2 (R)
- connectors

Audio input connectors for normal and Hi-Fi audio.

(VIDEO LINE IN (COMPOSITE)

connector

Input connector for composite video signal.

VIDEO LINE IN (Y/C 443)

A separated Y/C input connector for an input signal which conforms to the Y/C 443 system. Use an appropriate Y/C cable when connecting to this terminal.

1 INPUT SELECT (COMPOSITE/Y/C 443)

Selects the input signal (composite or Y/C 443) coming from the VIDEO LINE IN or CAMERA connector.

1 INPUT SELECT (LINE/CAMERA) switch

Selects the input signal (camera or line) to be recorded.

@ CAMERA SELECT switch

Selects the type of camera to be connected.

- 14P H: Set to this position when a camera is connected using a 14-pin camera cable with high level microphone output (-20 dB).
- 14P L: Set to this position when a camera is connected using a 14-pin camera cable with low level microphone output (-60 dB).
- 10P: Set to this position when a 10-pin camera is used.

CAMERA connector

Connect a video camera using a 14-pin FF button camera cable.

(DC 12 V outlet, max. 2.5A)

PAUSE/STILL button

Press to stop the tape temporarily during recording or playback. The PAUSE/ STILL LED indicator will light, When this button is pressed during recording, the tape is rewound for 1.3 seconds and stops in the Record-Pause mode (when AEF mode is on). When the PLAY button is pressed, or triggered by the camera's start/stop button, the tape starts running and recording at the position where the previous recording stopped. When this button is pressed during playback, a still picture is obtained. To resume normal playback, press the PLAY button.

REW button

When the button is pressed in the Stop mode, the tape will be rewound with the E-E picture appearing on the monitor screen. The REW LED indicator will

Pressing this button in the Play or Still mode enables high-speed playback at about 9 times normal in the reverse direction.

A DUB button

To start audio dubbing, press the PLAY button while holding the A DUB button depressed. The A DUB and PLAY LED indicators will light and the sound on the normal audio-2 track will be replaced by new material.

REC button

To start recording (video and audio), press this button together with the PLAY button. The recording mode will be engaged with the REC and PLAY LED indicators lit. To stop recording, press the STOP button.

When the button is pressed in the Stop mode, the tape will be fast-forwarded with the E-E picture appearing on the monitor screen. The FF LED indicator will light.

Pressing this button in the Play or Still mode enables high-speed playback at about 9 times normal in the forward direction.

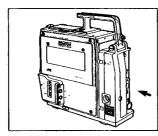
PLAY button

Press to start playback. Press together with the REC button for recording, and with the A DUB button for audio dub-

STOP button

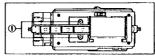
Press to stop the tape. When this button is pressed while the tape is running, the LED indicator lights and the tape is completely withdrawn into the cassette. This state is referred to as the Stop mode.

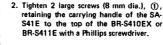
ATTACHING TO THE BR-S411E/BR-S410EX

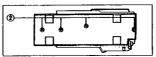


To combine a camera with the BR-S410EX or BR-S411E to form a portable video system, the SA-S41E must be attached. •Make sure that the Power switch is OFF.

1. Slide onto the BR-S410EX or BR-S411E in the direction of the arrow, holding its lower portion.

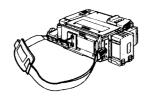


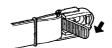




3. Tighten 4 screws (2) on the base of the SA-S41E to the bottom of the BR-S410EX or BR-S411E with a coin or flathead screwdriver.

ATTACHING THE SHOULDER STRAP

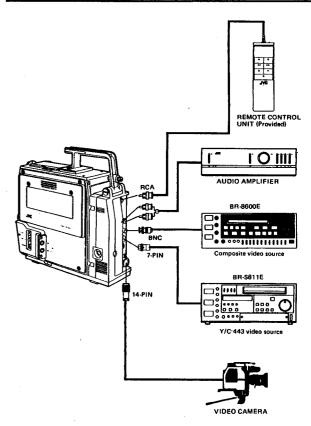




For carrying around on the shoulder, attach the provided shoulder strap.

Open the latch on the end of the strap as illustrated and engage on to the hook . then close the latch.

CONNECTIONS



- 3 --

-5-

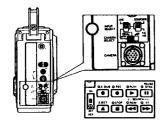
RECORDING

RECORDING VIA CAMERA CONNECTOR

- Connect the camera with its power save switch in the Standby position.
- 1. Set the INPUT SELECT LINE/CAMERA switch to CAMERA. Set the CAMERA SELECT switch as required depending on the camera cable used. Then set the INPUT SELECT COMPOSITE/Y/C433 switch as required depending on the type of camera output signal: to COMPOSITE when an ordinary video camera is used, and to Y/C443 when a S-VHS compatible camera (one with separate Y/C output signals) is used.
- 2. Press the REC and PLAY buttons of the BR-S410EX or BR-S411E simultaneously. The REC and PAUSE LED indicators will light.
- 3. To start recording, press the camera's trigger.

Notes:

- •Set the CAMERA SELECT switch according to the output level of the camera's microphone (High or Low). The sound from the camera's microphone is recorded on normal audio-1 or Hi-Fi L channel.
- To record on normal audio-2 or Hi-Fi R channel, use the AUDIO IN AUD-2 (R) or MIC AUD-2 (R) connector. (BR-S410EX)



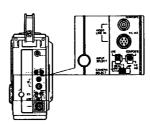
RECORDING VIA VIDEO LINE IN CONNECTOR

- 1. Set the INPUT SELECT LINE/CAMERA switch to LINE. Set the INPUT SELECT COMPOSITE/Y/C443 switch as required depending on the VIDEO LINE IN connector used.
- 2. Press the REC and PAUSE/STILL buttons simultaneously to enter the Record-Pause mode.
- 3. To start recording, press the PLAY button. To stop recording temporarily, press the PAUSE/STILL button. To end recording, press the STOP button.

Note:

•When using a camera, if the INPUT SELECT switch is set to LINE, recording cannot be started with the recorder's controls. (To make this possible, set the camera's

power switch to OFF.)



SPECIFICATIONS

GENERAL

Video signal system : PAL-type colour signal/PAL-type Y/C signal

Power requirement : DC 12 V Power consumption

: 3 watts

: 352(W) x 248.5(H) x 137(D) mm (when attached to the recorder) Dimensions

Weight : 650 a

: 0°C to 40°C, Non-water proof Operating temperature

Storage temperature : -20°C to 50°C

VIDEO

Video input Line Y/C

: 0.5 to 2.0 Vp-p, 75 ohms, unbalanced

: Y: 1.0 Vp-p, 75 ohms, unbalanced

C: 0.3 Vp-p (Burst), 75 ohms, unbalanced

AUDIO

Audio input Line

: -6 dBs, 10 k-ohms, unbalanced

Camera microphone

: -60 dB, 3 k-ohms, balanced (14-pin: L)

-20 dB, 10 k-ohms, unbalanced (14-pin: H, 10-pin)

ACCESSORIES : Shoulder strap x 1

Battery for Remote control unit x 2

Remote control unit x 1

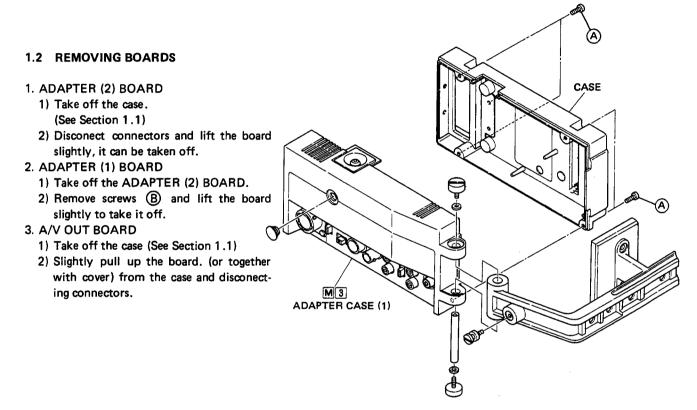
Base x 1

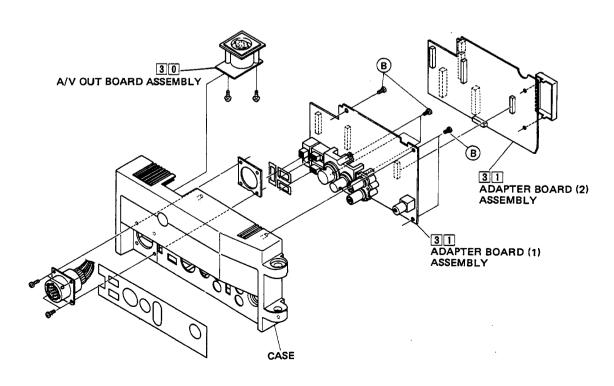
-6-

SECTION 1 DISASSEMBLY

1.1 REMOVING CASE

- 1) Remove four screws (A) and lift the case slightly to take if off.
- 2) After disconecting connectors from the board, it can be take apart.





SECTION 2 ELECTRICAL ADJUSTMENTS

2.1 PRELIMINARY CHECKS AND CAUTIONS

- Adjustments are required after replacing major parts of the electrical circuits. In all cases, first confirm that adjustment of a specific part is actually needed before disturbing its setting.
- 2. All adjustments are performed in the circuit boards.

2.2 REQUIRED TEST INSTRUMENTS AND FIXTURES

- The following test instruments and fixtures (see Fig. 2-1) are required for electrical adjustments. Attempts to adjust without them would entail inordinate time and would not yield the required precision and performance.
- In addition to the special fixtures, check that the following test equipment is available.
 - Frequency counter (better than 10 MHz, 100 mV sensitivity, high impedance input)
 - Video signal generator
 - Waveform monitor
 - Digital voltmeter (capable of reading down to 1 mV DC)
 - Sweep signal generator (100 kHz to 10 MHz)
 - Oscilloscope (dual-trace, better than 50 MHz)
 - Audio tester

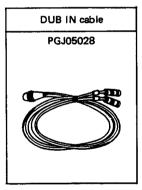


Fig. 2-1 Required special test equipment

3. Recommended additional fixtures

1) Shorting lead

This can be constructed easily as shown in the figure. It is used for shorting test pins.

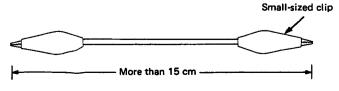
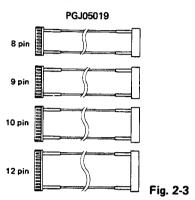


Fig. 2-2

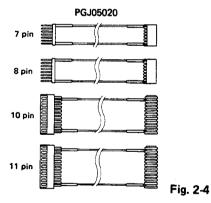
2) Patch cord (PGJ05019)

To be used between the ADAPTER-1 PWB and the ADAPTER-2 PWB for measuring voltage and relating repair. (Refer to Fig. 2-3)

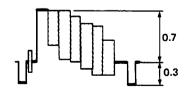


3) Patch cord (PGJ05020)

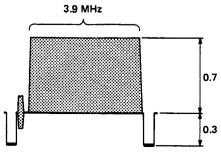
To be used between the COLOR PWB and the COLOR SUB PWB or the PB COM PWB, and used between the AUDIO PWB and the FMA PWB for measuring voltage and relating repair. (Refer to Fig. 2-4)



- 4. Required video system test signals
- 1) EBU 75% colour bars



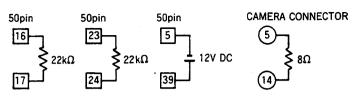
2) 3.9 MHz sine wave



2.3 ADAPTER CIRCUIT

2.3.1 Audio block

This is normally checked while installed in the BR-S411E. To check it individually, initialize as follows.

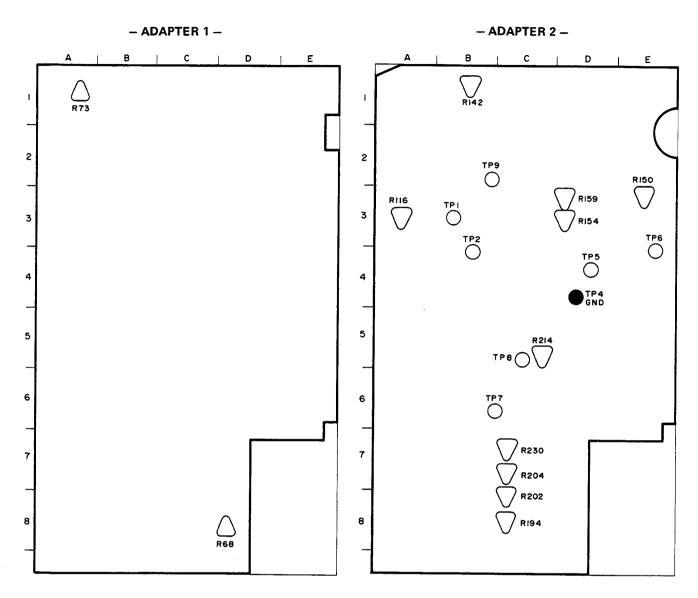


No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
1	Line input system out- put level	50-pin connector Pin 17 (Pin 15: GND) Pin 24 (Pin 23: GND)	's —	1 kHz	E-E	 Set switches as follows. INPUT SELECT: LINE Supply 1 kHz -6.0 dBs signals to AUDIO IN: AUDIO-1 and AUDIO-2. Confirm -20.0 ± 1.0 dBs outputs at pins 17 and 24 of the 50-pin connector.
2	Camera input system out- put level	50-pin connector Pin 17 (Pin 15: GND)	's —	1 kHz	E-E	 Set switches as follows. INPUT SELECT: CAMERA CAMERA SELECT: 14P·H Supply a 1 kHz -20.0 dBs signal to pin 3 of the CAMERA connector. Confirm -20.0 ± 1.0 dBs output at pin 17 of the 50-pin connector. Set CAMERA SELECT switch to 10P. Again confirm -20.0 ± 1.0 dBs output at pin 17 of the 50-pin connector. Set CAMERA SELECT switch to 14P-L. Level is set with measuring instrument connected. Supply 1 kHz -60 dBs signal to CAMERA connector pins 3 and 4. Confirm -20.0 ± 1.0 dBs output at pin 17 of the 50-pin connector.
3	Return audio output	14-pin CAMERA connector's pin 14	-	1 kHz	E-E	1) Set switches as follows. INPUT SELECT : LINE AUDIO OUT : NORM AUDIO MONITOR : MIX 2) Terminate pins 14 and 5 of the 14-pin CAMERA connector at 8 ohms. 3) Supply a 1 kHz -6.0 dBs signal to AUDIO IN (AUDIO-1 and AUDIO-2). 4) Set the NORMAL REC LEVEL controls for -6 dBs at AUDIO OUT. 5) Confirm -24.0 ± 2.0 dBs output at pin 14 of the 14-pin CAMERA connector.
4	A/V output	A/V OUT		Color bars 1 kHz	E-E	 Make the A/V OUT terminal of opencircuit. Confirm that DC voltage of pin 3 of the A/V OUT terminal is 8.0 ± 0.3 V DC. Set the INPUT SELECT SW to 'LINE' and 'COMPOSITE'. Confirm that shape of output waveform at pin 1 of the A/V OUT terminal is normal and its level is 2.0 ± 0.3 Vp-p. Set the NORMAL REC LEVEL controls for -6 dBs at AUDIO OUT. Confirm -3.0 ± 2.0 dB as the output level of pin 6 of the A/V OUT terminal.

2.3.2 Video block

AGC output		1			
Accouput	TP9	R73	Color bars	E-E	 Set the INPUT SELECT switch to 'LINE' and 'COMPOSITE'. Supply the color bars signal to the VIDEO LINE IN. Adjust R73 to obtain 1 Vp-p as video output at TP9.
BPF level	TP1		Color bars	E-E	1) Confirm that BPF level at TP1 is 1.6 ± 0.1 Vp-p.
DL2 level	TP1, TP2	R116	Color bars	E-E	 Adjust R116 to obtain the maximum level as TP2's output, and this level must be confirmed larger than that of TP1. Again adjust R116 to equalize the levels of TP1 and TP2.
CCD bias	TP5	R142, R150	Color bars	E-E	1) Adjust R142 and R150 for maximum color signal level at TP5.
		R154, R159	Color bars	E-E	 Connect CH-1 probe of the dual-trace oscilloscope to TP5 while CH-2 probe to TP6. Mix the signals. Set CH1 and CH2 ranges to be equal. Adjust R154 and R159 for minimum color signal. Confirm that the residual color level is less than 300 mVp-p.
Сүн	TP7, TP4 (GND)		(Model 410P-JVC : LEADER)	E-E	1) Adjust R159 and R194 to minimize the 3.9 MHz sine wave at TP7.
	DL2 level CCD bias 2H delay level	DL2 level TP1, TP2 CCD bias TP5 2H delay TP5, TP6, TP4 (GND)	DL2 level TP1, TP2 R116 CCD bias TP5 R142, R150 2H delay TP5, TP6, TP4 (GND) Less than 300 mVp-p TP7, TP4 (GND) R159, R194	DL2 level TP1, TP2 R116 Color bars CCD bias TP5 R142, R150 Color bars 2H delay TP5, TP6, TP4 (GND) R154, R159 Color bars Less than 300 mVp-p TP7, TP4 (GND) R159, R194 3.9 MHz osc. (Model 410P-JVC)	DL2 level TP1, TP2 R116 Color bars E-E CCD bias TP5 R142, R150 Color bars E-E 2H delay TP5, TP6, TP4 (GND) R154, R159 Color bars E-E CYH TP7, TP4 (GND) R159, R194 3.9 MHz osc. (Model 410P-JVC : LEADER)

No.	Item	Check Point	Adjustment Parts	Signal	Mode	Description
7	Y out level	TP8	R214	Color bars	E-E	1) Adjust R214 for 1.0 Vp-p Y signal at TP8.
8	Carrier leak	TP8, TP4 (GND)	R202, R204	Color bars	E-E	1) Adjust R202 and R204 to minimize chroma leak at TP8.
				Min	imum	
9	Color output level	C OUT (75Ω terminated	R230	Color bars	E-E	1) Adjust R230 for 0.30 Vp-p butst level at pin 5 of the Y/C 443 OUT.
10	Return Y level	14-pin CAMERA connectors pin 9 (75Ω terminated)		Color bars	E-E	1) Terminate pins 9 and 8 of the 14-pin CAMERA connector at 75 ohms. 2) Adjust R68 to obtain 1.0 Vp-p as Y level at pin 9 of the 14-pin CAMERA connector.
		CAMERA CONNECTOR 8 75 Ω 9				



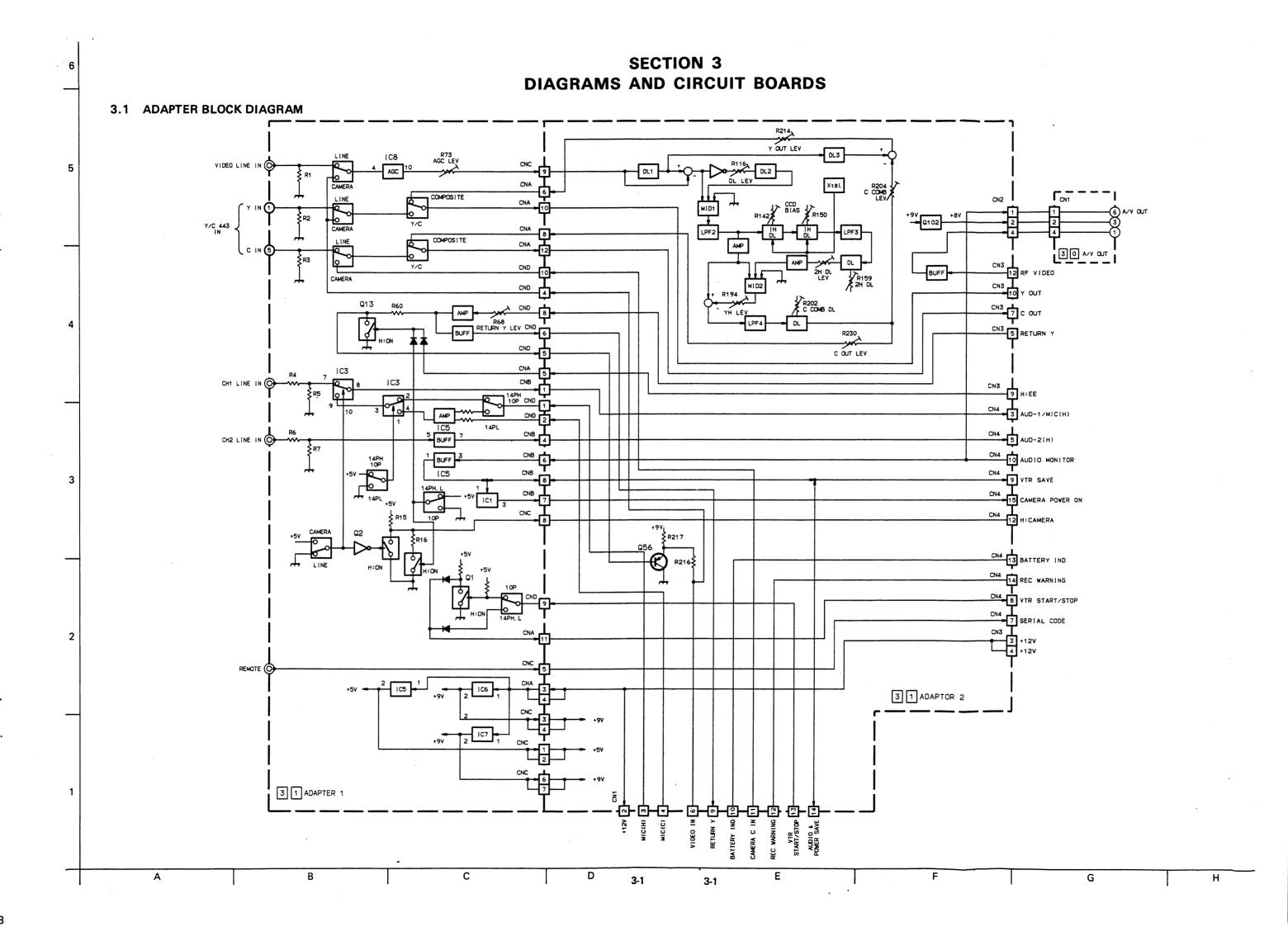
- ADAPTER 2 -

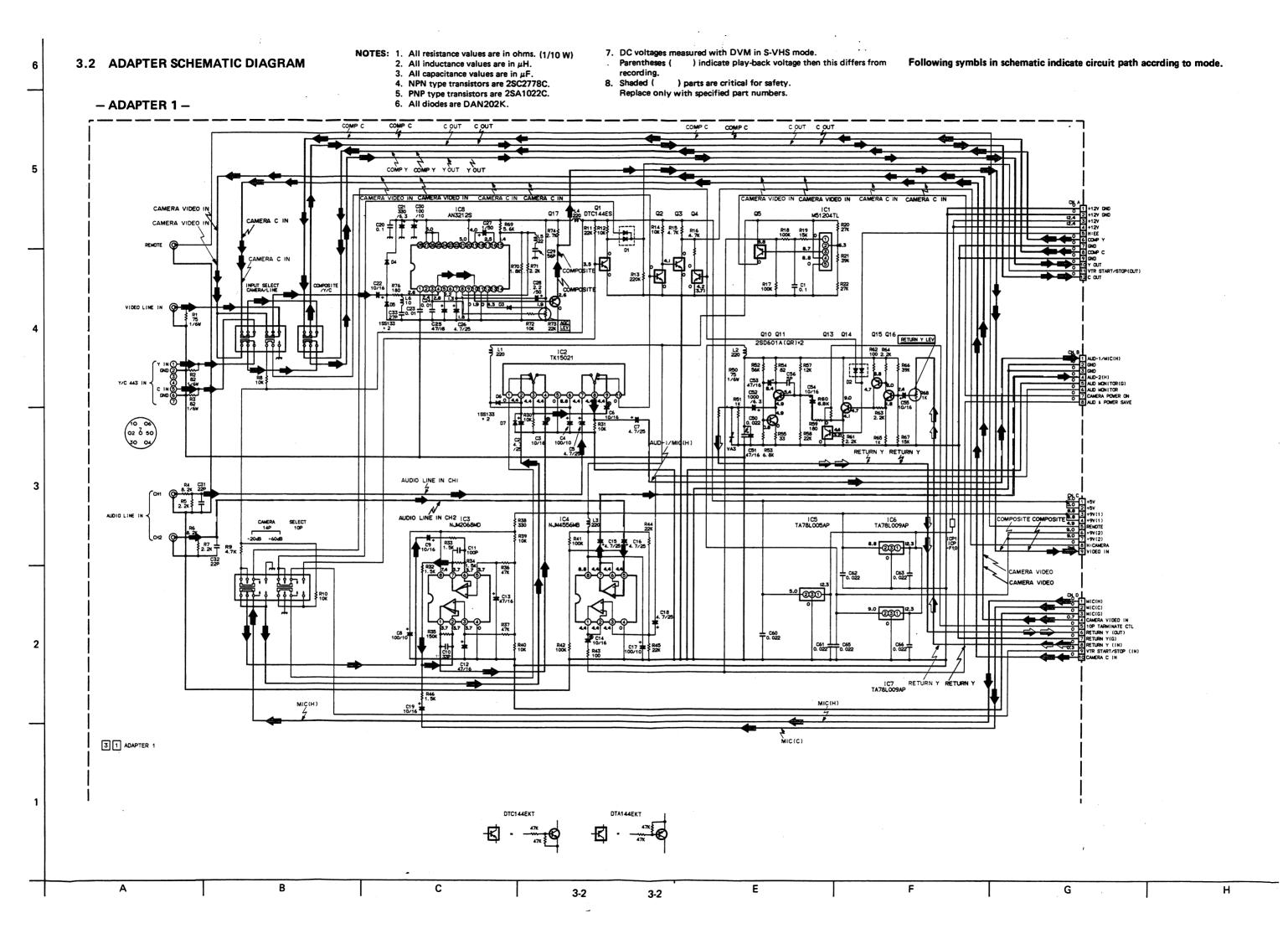
TΡ	1	2	4	5	6	7	8	9
Location	В3	В3	D4	D4	E3	В6	C5	B2

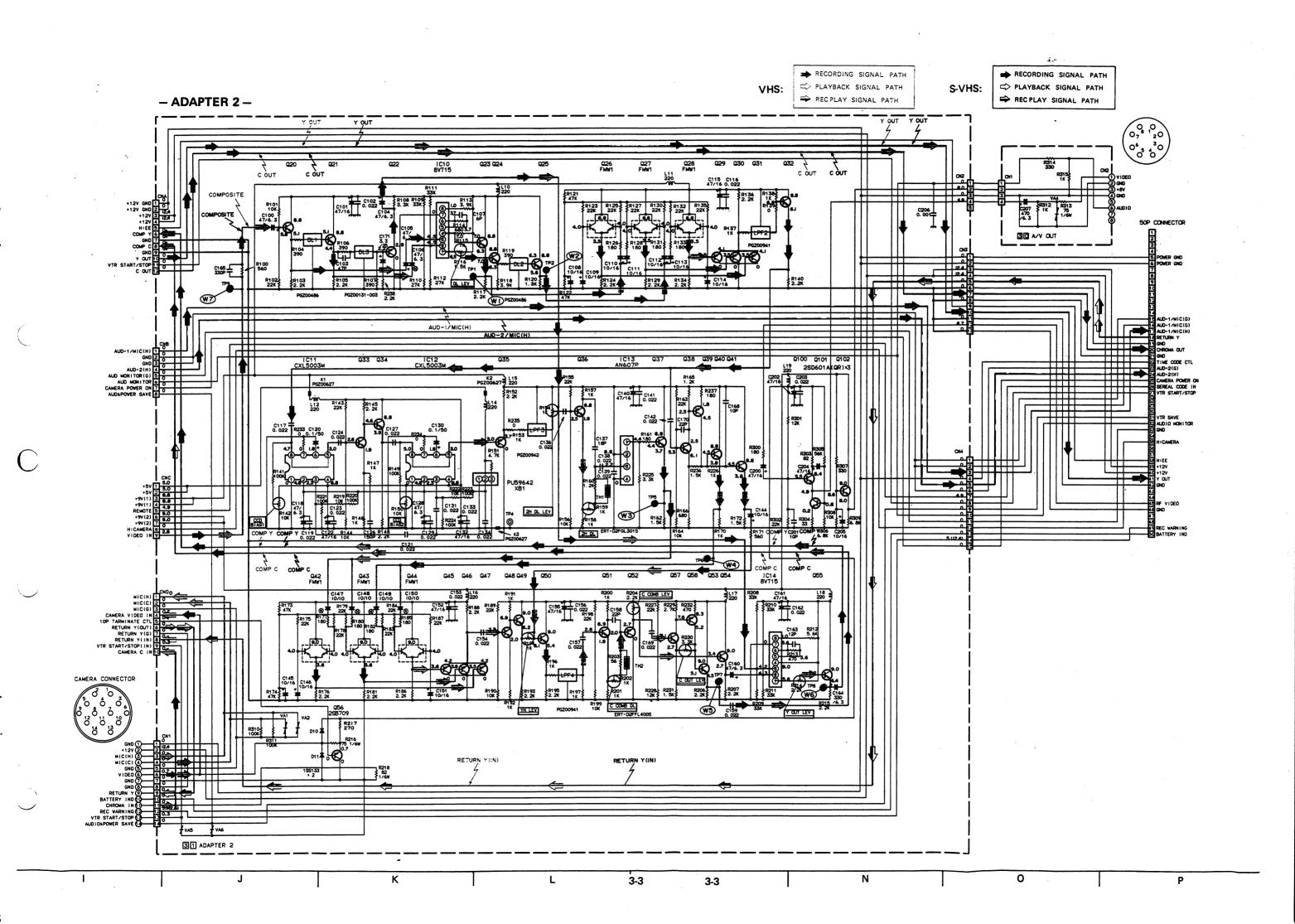
R	116	142	150	154	159	194	202	204	214	230
Location	А3	B1	E2	D3	D3	C8	C7	C7	C 5	C7

-ADAPTER 1 -

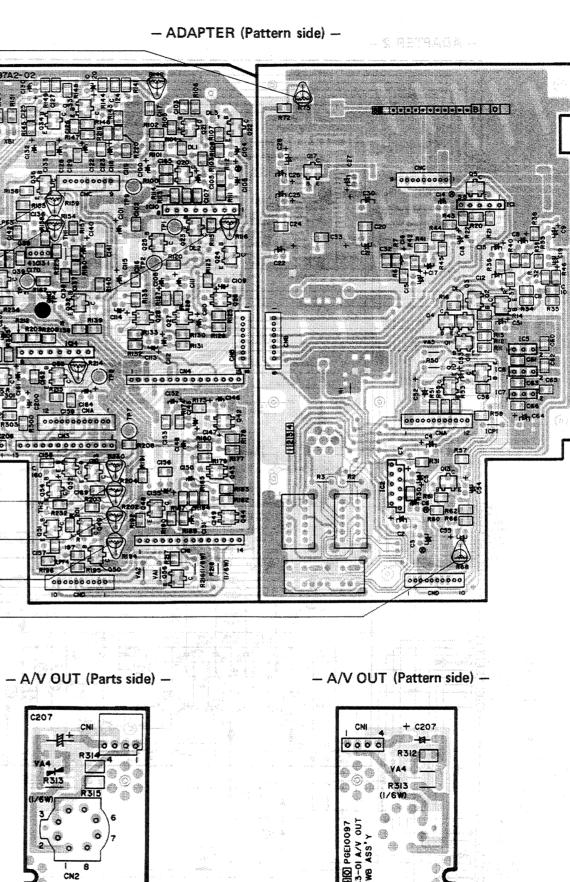
R	68	73
Location	D8	A1



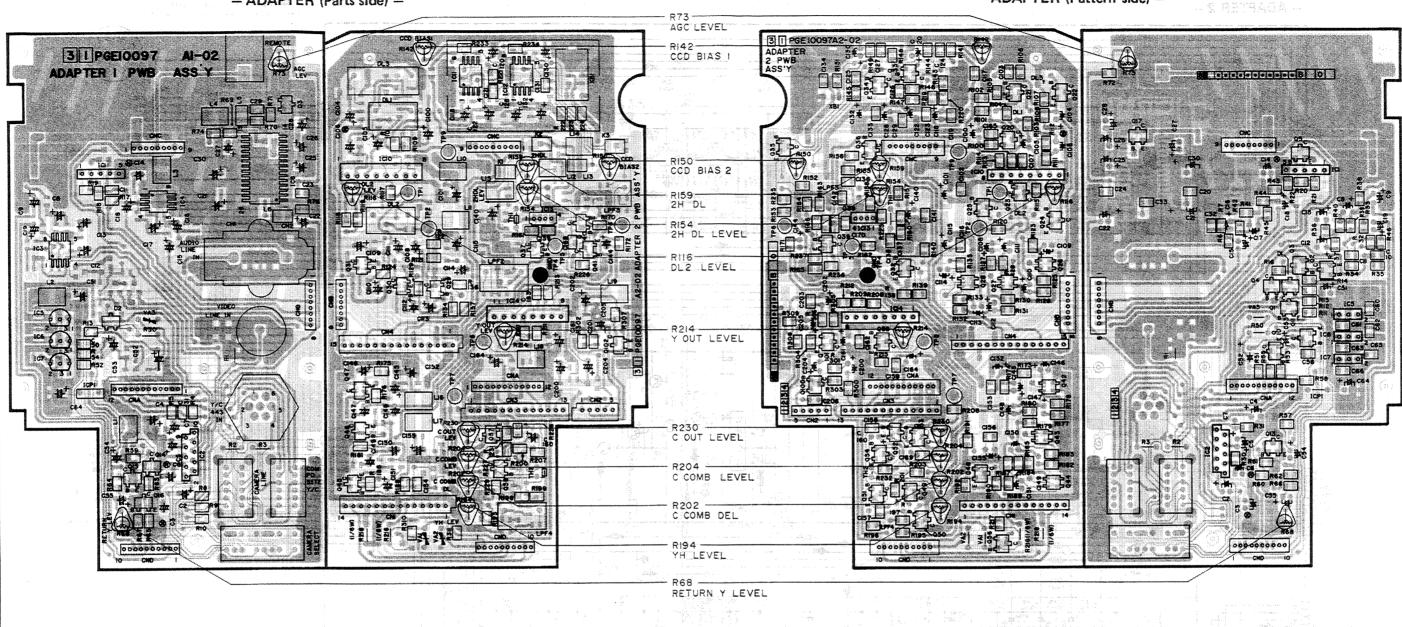




4 -

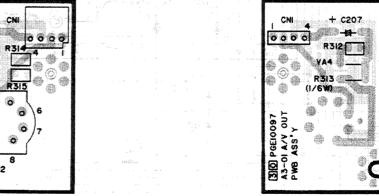


- ADAPTER (Parts side) -



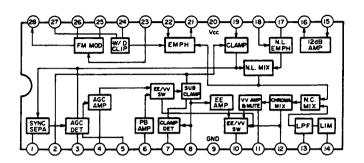
- MAIN WAVEFORM OF ADAPTER CIRCUIT -

W1	W2	W3	W4	W5 **		W7
					- cartonic arrangolinic au	
				-		
TP1 1.8 Vp-p [E-E]	TP2 2.0 Vp-p [E-E]	TP5 1.6 Vp-p [E-E]	TP6 1.7 Vp-p [E-E]	TP7 0.7 Vp-p [E-E]	TP8 1.0 Vp-p [E-E]	TP9 1.0 Vp-p (E-E)

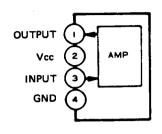


3.4 IC BLOCK DIAGRAMS

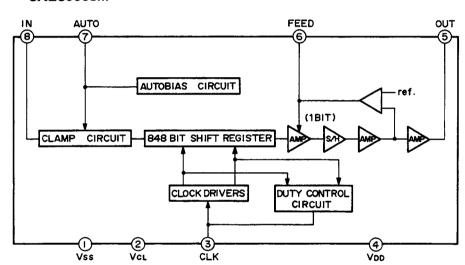
— AN3212S —
VTR Video Signal Processing Circuit



AN607P —Wide Band Amplifier Circuit



- CXL50003M -

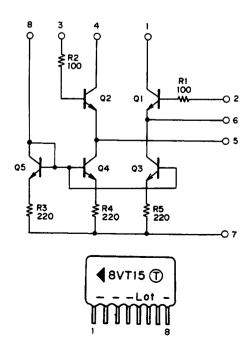




3 острит

2 ⊕ № 1 ⊖ №

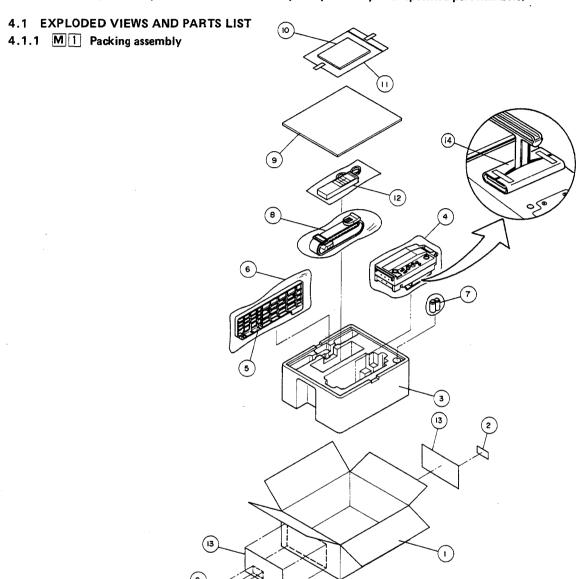
- 8VT15 -



SECTION 4 EXPLODED VIEWS AND PARTS LIST

SAFETY PRECAUTION

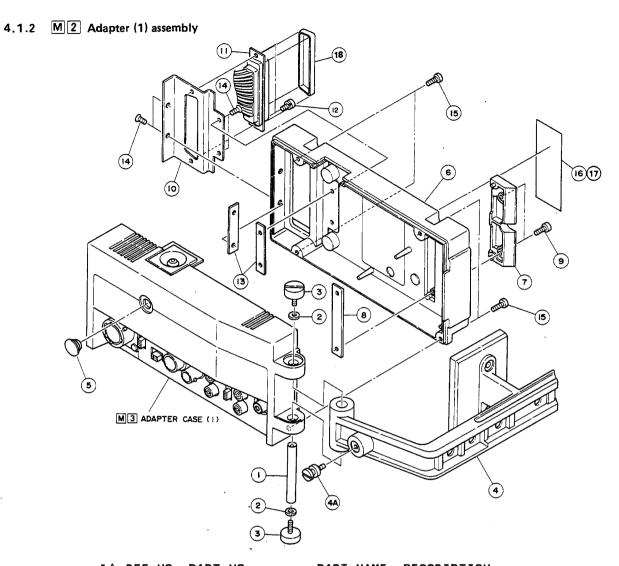
Parts identified by the 🛆 symbol are critical for safety. Replace only with specified part numbers.



#A REF NO. PART NO.

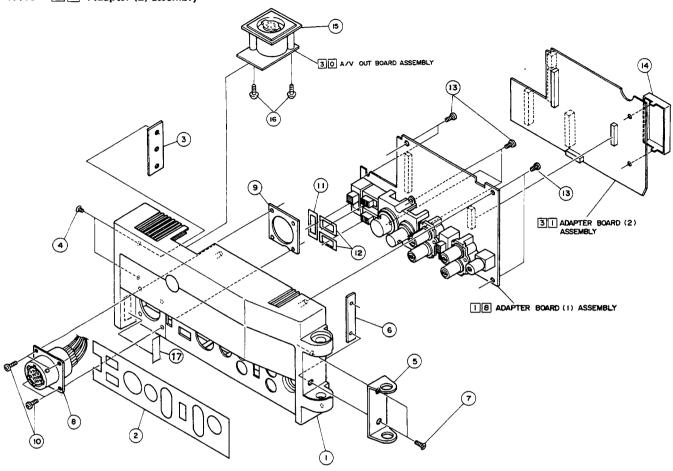
PART NAME, DESCRIPTION

	1	PRD30476	PACKING CASE
	2	PUP40619	SERIAL NO. STICKER. X2
	3	PRD20226	CUSHION
	4	QPGA025-03505	POLY BAG
	5	PGD30440A	BASE ASSY
	6	QPGA012-03005	POLY BAG
	7	UM-3DJ2P	BATTERY, X2
	8	PGZ00772	SHOULDER BELT
	9	PRD30475	CUSHION PLATE
Δ	10	PGD30002-187	INSTRUCTIONS
	11	QPGB024-03404	POLY BAG
	12	PGZ00773	REMOTE CONTROL UNIT
	13	PRD30394-04	PACKING LABEL, X2
	14	PRD42861	SHEET



	1	PGD40756	SHAFT
	2	WLS4000N	WASHER, X2
	3	PGD40757	COIN SCREW, X2
	4	PGD30439A	HANDLE ASSY
	4A	PU53202-01-01	HOOK HOLDER
	5	PGD40758	CAP
Δ	6	PGD20175-01-02	ADAPTER CASE(2)
	7	SC30988-003	CAMERA GUIDE
	8	PGD40760	PLATE(3)
	9	SDSP3012M	SCREW, X2
	10	PGD40761	CONNECTOR BRACKET
	11	ML-G00450A-02	50P CONNECTOR
	12	LPSP2608Z	SCREW, X2
	13	PGD40755-01-01	PLATE(2), X2
	14	SSSP2606R	SCREW, X4
	15	SDSF3014M	SCREW, X4
	16	PGD40912	NO PLATE
Δ	17	PGD30022-07	SERIAL NO. PLATE
	18	PGZ01280-02	DUST CAP

4.1.3 M3 Adapter (2) assembly



#A REF NO. PART NO.

PART NAME, DESCRIPTION

Δ	1	PGD20173-02-06	ADAPTER CASE(1)
	2	PGD40752-03	SHEET
	3	PGD40753	PLATE(1)
	4	SSSP3006R	SCREW, X2
	5	PGD40754-01-01	BRACKET
	6	PGD40755-01-01	PLATE(2)
	7	SSSP2606R	SCREW, X2
	8	PU52665	CONNECTOR, CAMERA(14PIN)
	9	PGD40853	CONNECTOR PLATE
ΔŶ	10	SDSP3008R	SCREW, X4
	11	PGD40759-01-01	SHEET
	12	PGD40759-02	SHEET, X2
	13	SBSF3008Z	TAPPING SCREW, X7
	14	PGD40815	SHIELD CASE
	15	PGD30441	COVER
	16	SBSF2606Z	SCREW, X2
	17	PGD40895	LABEL

SECTION 5 ELECTRICAL PARTS LIST

SAFETY PRECAUTION

Parts identified by the \triangle symbol are critical for safety. Replace only with specified part numbers.

♦ <u>A</u> REF NO.	. PART NO.	PART NAME, DESCRIPTION	#A REF NO.		PART NAME, DESCRIPTION
*******	(***************	************	R10:	QRSA08J-103YN	RESISTOR
			R11	QRSA08J-223YN	RESISTOR
***	************	**********	R12	QRSA08J-103YN	RESISTOR
×	5.1.1 A/V OUT BO	ARD ASSY 30 *	R13	QRSA08J-224YN	RESISTOR
***		*********	R14	QRSA08J-103YN	RESISTOR
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			R15	QRSA08J-472YN	RESISTOR
			1		
DWDA	BCE1888747-01	A OU OUT BOARD ASSEMBLY	R16	QRSA08J-472YN	RESISTOR
PWBA	PGE10097A3-01	A/V OUT BOARD ASSEMBLY	R17	QRSA08J-104YN	RESISTOR
			R18	QRSA08J-104YN	RESISTOR
R312	QRSA08J-102YN	RESISTOR	R19	QRSA08J-153YN	RESISTOR
R313	QRD167J-750	RESISTOR	R20	QRSA08J-273YN	RESISTOR
R314	QRSA08J-331YN	RESISTOR			
R315	QRSA08J-102YN	RESISTOR	R21	QRSA08J-393YN	RESISTOR
			R22	QRSA08J-273YN	RESISTOR
C207	QETADJM-477	E CAPACITOR	R30	QRSA08J-103YN	RESISTOR
	4211100111111		"""		
VA4	PU49624-2	VARISTOR	R31	QRSA08J-103YN	RESISTOR
747	F047624-2	TAKISIUK			
			R32	QRSA08J-152YN	RESISTOR
CN1	PU58844-104	CAP HOUSING	R33	QRSA08J-152YN	RESISTOR
CN2	PGZ00834	CONNECTOR	R34	QRSA08J-152YN	RESISTOR
			R35	QRSA08J-154YN	RESISTOR
*****	(*************	*******************	R36	QRSA08J-473YN	RESISTOR
			R37	QRSA08J-473YN	RESISTOR
			R38	QRSAD8J-331YN	RESISTOR
***	*********	**********	R39	QRSA08J-103YN	RESISTOR
*	5.1.2 ADAPTER BO		R40	QRSA08J-103YN	RESISTOR
, , , , , , , , , , , , , , , , , , ,		**************************************	, "	anonous rosin	RESISTOR
***		****************		0004001 104441	DECTOTOR
			R41	QRSA08J-104YN	RESISTOR
			R42	QRSA08J~104YN	RESISTOR
	-ADAPTER BOA	ARD (1) ASSY-	R43	QRSA08J-101YN	RESISTOR
			R44	QRSA08J-223YN	RESISTOR
PWBA1	PGE10097A1-02	ADAPPTER BOARD (1) ASSEY	R45	QRSA08J-223YN	RESISTOR
			R46	QRSA08J-152YN	RESISTOR
IC1	M51204TL	IC	R50	QRD167J-750	RESISTOR
IC2	TK15021	IC		•	
103	NJM2068MD	IC	R51	QRSA08J-102YN	RESISTOR
104	NJM4556MB	IC	R52	QRSA08J-563YN	RESISTOR
A IC5	TA78L005AP	IC	R53	QRSA08J-682YN	RESISTOR
↑ IC6	TA78L009AP	IC	R54	QRSA08J-820YN	RESISTOR
∆ IC7	TA78L009AP	IC	R55	QRSAO8J-330YN	RESISTOR
IC8	AN3212S	IC	R57	QRSAD8J-123YN	RESISTOR
			R58	QRSA08J-223YN	RESISTOR
Q1	DTC144ES	TRANSISTOR	R59	QRSA08J-181YN	RESISTOR
Q2	DTC144EK	TRANSISTOR	R60	QRSA08J-682YN	RESISTOR
Q3	DTC144EK	TRANSISTOR			
94	DTC144EK	TRANSISTOR	R61	QRSA08J-222YN	RESISTOR
Q5	DTA144EK	TRANSISTOR	1		
		TRANSISTOR	R62	QRSA08J-101YN	RESISTOR
Q10	2SD601A(QR)	INANGISTOR	R63	QRSAD8J-222YN	RESISTOR
	200/01//02	TRANCICTOR	R64	QRSA08J-222YN	RESISTOR
Q11	2SD601A(QR)	TRANSISTOR	R65	QRSA08J-102YN	RESISTOR
Q13	DTC114EK	TRANSISTOR	R66	QRSAD8J-393YN	RESISTOR
Q14	2SC2778C	TRANSISTOR	R67	QRSA08J-153YN	RESISTOR
Q15	2SA1022C	TRANSISTOR	R68	QVZ3531-102	V RESISTOR , RETURN Y LEV
Q16	2SC2778C	TRANSISTOR	R69	QRSAD8J-562YN	RESISTOR
Q17	2\$A1022C	TRANSISTOR	R70	QRSA08J-182YN	RESISTOR
			1		
01	DAN202K	DIODE	R71	QRSAD8J-222YN	RESISTOR
D2	DAN202K	DIODE	R72		RESISTOR
D3	DAN202K	DIODE		QRSA08J-103YN	
			R73	QVZ3513-223	V RESISTOR , AGC LEV
D4	1SS133	DIODE	R74	QRSA08J-272YN	RESISTOR
D 5	188133	DIODE	R76	QRSAO8J-181YN	RESISTOR
D6	188133	DIODE	j		
D7	188133	DIODE	C1	QCFA1EZ-104	CAPACITOR
			C2	QER41EM-475	E CAPACITOR
R1	QRD167J-750	RESISTOR	C3	QEPA1CM-106	NP E CAPACITOR
R2	QRD167J-820	RESISTOR	C4	QEK41AM-107	E CAPACITOR
R3	QRD167J-820	RESISTOR	C5	QER41EM-475	E CAPACITOR
R4	QRSAD8J-822YN	RESISTOR	1		
			C6	QEPA1CM-106	NP E CAPACITOR
R5	QRSA08J-222YN	RESISTOR	C7	QER41EM-475	E CAPACITOR
R6	QRSA08J-822YN	RESISTOR	C8	QEK41AM-107	E CAPACITOR
R7	QRSA08J-222YN	RESISTOR	C9	QER41CM-106	E CAPACITOR
R8	QRSA08J-103YN	RESISTOR	C10	QCSA1HJ-330	CAPACITOR
R9	QRSA08J-472YN	RESISTOR	i		

♦∆ REF NO	. PART NO.	PART NAME, DESCRIPTION	● ▲ R	REF NO.	PART NO.	PART NAME, DESCRIPTION
C11	QCSA1HJ-101	CAPACITOR	'			
C12	QER41CM-476	E CAPACITOR		PWBA2	PGE10097A2-02	ADAPTER BOARD (2) ASSEY
C13	QER41CM-476	E CAPACITOR	1 '	WUAL	1 GETOD // RE OE	ADAFTER BOARD (E) ASSET
C14	QEPA1CM-106	NP E CAPACITOR	1 ,	C10	8VT15	IC
C15	QER41EM-475	E CAPACITOR	1 -		84115	16
C16	QER41EM-475	E CAPACITOR			6V1 5887H	**
C17	QEK41AM-107	E CAPACITOR		C11	CXL5003M	IC
				C12	CXL5003M	IC
C18	QER41EM-475	E CAPACITOR		C13	AN607P	IC
C19	QER41CM-106	E CAPACITOR	ļI	C14	8VT15	IC
C20	QCFA1EZ-104	CAPACITOR	1 .			
C21	QETAOJM-337	E CAPACITOR	9	120	2SC2778C	TRANSISTOR
C22						
C52	QER41CM-106 QCYA1HK-103	E CAPACITOR CAPACITOR		121	2SC2778C	TRANSISTOR
C24				122	2SA1022C	TRANSISTOR
	QCYA1HK-103	CAPACITOR		123	2SC2778C	TRANSISTOR
C25	QER41CM-476	E CAPACITOR		124	2SC2778C	ŢŖĄNSIŚŢOR
C26	QEE41CM-475	E CAPACITOR		125	2SC2778C	TRANSISTOR
C27	QER41HM-105	E CAPACITOR		126	FMWI	TRANSISTOR
C28	QEE41CM-225	E CAPACITOR	9	127	FMW1	TRANSISTOR
C29	QCTA1CH-560	CAPACITOR	9	128	FMW1	TRANSISTOR
C30	QEM41AK-107	E CAPACITOR	9	129	2SA1022C	TRANSISTOR
				30	2SA1022C	TRANSISTOR
C31	QCSA1HJ-220	CAPACITOR				•
C32	QCSA1HJ-220	CAPACITOR		31	2SA1022C	TRANSISTOR
C33	QCSA1HJ-270	CAPACITOR		32	2SC2778C	TRANSISTOR
				33	2SC2778C	TRANSISTOR
C50	QCYA1HK-223	CAPACITOR		34	2SC2778C	TRANSISTOR
				35	2SA1022C	TRANSISTOR
C51	QER41CM-476	E CAPACITOR		36	2SC2778C	TRANSISTOR
C52	PU54990-3	E CAPACITOR		37	2SC2778C	TRANSISTOR
C53	QER41CM-476	E CAPACITOR		38	2SC2778C	TRANSISTOR
C54	QER41CM-106	E CAPACITOR		39	2SA1022C	TRANSISTOR
C55	QER41CM-106	E CAPACITOR		40	2SC2778C	
C56	QCSA1HJ-5R0	CAPACITOR	· •	140	23027780	TRANSISTOR
C60	QCYA1HK-223	CAPACITOR	1 0	41	20027780	TRANSTETOR
				42	2SC2778C	TRANSISTOR
C61	QCYA1HK-223	CAPACITOR			FMW1	TRANSISTOR
C62	QCYA1HK-223	CAPACITOR		43	FMW1	TRANSISTOR
C63	QCYA1HK-223	CAPACITOR		44	FMW1	TRANSISTOR
C65	QCYA1HK-223	CAPACITOR		45	2SA1022C	TRANSISTOR
C66	QCYA1HK-223	CAPACITOR	· ·	46	2SA1022C	TRANSISTOR
000	401HIN EES	OAI ACTION		47	2SA1022C	TRANSISTOR
Ll	PGZ00638-221K	COIL		48	2SC2778C	TRANSISTOR
L2	PGZ00638-221K	COIL		49	2SC2778C	TRANSISTOR
L3	PGZ00638-221K	COIL	4	50	2SC2778C	TRANSISTOR
L4	PGZ00638-221K	COIL	1 -			
L5	PGZ00637-220K	COIL		51	2SC2778C	TRANSISTOR
L6	PGZ00637-100K	COIL		52	2SA1022C	TRANSISTOR
	1 G200537 - 100K	0011		53	2SC2778C	TRANSISTOR
SW1	PGZ00717	SLIDE SWITCH		54	2SC2778C	TRANSISTOR
SW2		SLIDE SWITCH		55	2SC2778C	TRANSISTOR
SW3	PGZ00717 QSS4301-004	SLIDE SWITCH		56	2SB709	TRANSISTOR
3#3	4334301-004	SLIDE SWITCH		57	2\$C2778C	TRANSISTOR
HD1	PGD30428	CONNECTOR HOLDER		58	2SA1022C	TRANSISTOR
	1 9030420	CONNECTOR HOLDER	ų q	100	2SD601A(QR)	TRANSISTOR
JA1	PGZ00527	2PIN JACK ASSEMBLY	1 -	101	200/014/004	TRANSTETOR
		ar arr onon modernous		101	2SD601A(QR)	TRANSISTOR
J1	.PGZ00409	PIN JACK	4	102	2SD601A(QR)	TRANSISTOR
	•		١ ,	10	188133	DIODE
SLD1	PGD40915	SPACER		10	133133	DIODE
			0	11	188133	DIODE
TB1	PGZ00591	BNC CONNECTOR	1			
TB2	PGZ00592	7PIN CONNECTOR	R	100	QRSA08J-561YN	RESISTOR
4						
VA3	PU49624-2	VARISTOR	R	101	QRSAO8J-103YN	RESISTOR
			R	102	QRSA08J-223YN	RESISTOR
CN1	PGZ00658-12	CONNECTOR, (CN A)		103	QRSA08J-222YN	RESISTOR
CN2	PGZ00658-8	CONNECTOR, (CN B)			QRSA08J-391YN	RESISTOR
CN3	PGZ00658-9	CONNECTOR, (CN C)			QRSA08J-222YN	RESISTOR
CN4	PGZ00658-10	CONNECTOR, (CN D)			QRSA08J-391YN	RESISTOR
					QRSA08J-391YN	RESISTOR
⚠ CP1	ICP-F10	CIRCUIT PROTECTOR			QRSAO8J-332YN	RESISTOR
					QRSA08J-333YN	RESISTOR
	-ADAPTER BOA	ARD (2) ASSY-			QRSA08J-273YN	RESISTOR
					=: ::•	

- 4			DART MANS DECORPORATION		DEC NO.	DART NO	DADT NAME.	DESCRIPTION
*4	KEF NU.	PART NO.	PART NAME, DESCRIPTION			PART NO.		DESCRIPTION
	R111	QRSAOBJ-333YN	RESISTOR		R181	QRSA08J-222YN.		
	R112	QRSAO8J-273YN	RESISTOR		R182	QRSA08J-181YN	RESISTOR	
	R113	QRSAD8J-392YN	RESISTOR		R183	QRSA08J-223YN	RESISTOR	
	R114	QRSAD8J-681YN	RESISTOR		R184	QRSA08J-223YN	RESISTOR	
	R115	QRSA08J-102YN	RESISTOR		R185	QRSA08J-181YN	RESISTOR	
	R116	QVZ3513-152	V RESISTOR , DL2 LEV		R186	QRSA08J-222YN	RESISTOR	
	R117	QRSA08J-222YN	RESISTOR		R187	QRSA08J-223YN	RESISTOR	
	R118	QRSA08J-392YN	RESISTOR		R188	QRSA08J-222YN	RESISTOR	
	R119	QRSA08J-391YN	RESISTOR		R189	QRSA08J-223YN	RESISTOR	
	R120	QRSA08J-182YN	RESISTOR		R190	QRSA08J-103YN	RESISTOR	
	R121	QRSA08J-473YN	RESISTOR		R191	QRSA08J-102YN	RESISTOR	
	R122	QRSAD8J-473YN	RESISTOR		R192	QRSA08J-102YN	RESISTOR	
	R123	QRSA08J-223YN	RESISTOR		R193	QRSAD8J-222YN	RESISTOR	
	R124	QRSA08J-222YN	RESISTOR		R194	QVZ3513-102	V RESISTOR	, YH LEV
	R125	QRSA08J-223YN	RESISTOR		R195	QRSAOBJ-222YN	RESISTOR	
	R126	QRSAD8J-181YN	RESISTOR		R196	QRSAOBJ-102YN	RESISTOR	
	R127	QRSAD8J-223YN	RESISTOR		R197	QRSA08J-102YN	RESISTOR	
	R128	QRSA08J-181YN	RESISTOR		R198	QRSAO8J-223YN	RESISTOR	
	R129	QRSA08J-222YN	RESISTOR		R199	QRSAG8J-103YN	RESISTOR	
	R130	QRSAO8J-223YN	RESISTOR		R200	QRSA08J-102YN	RESISTOR	
	R131	QRSA08J-181YN	RESISTOR		R201	QRSAD8J-102YN	RESISTOR	C COMP C:
	R 1 32	QRSA08J-223YN	RESISTOR		R202	QVZ3513-102		, C COMB DL
	R 1 33	QRSA08J-181YN	RESISTOR		R203	QRSADBJ-560YN	RESISTOR	0.0040.151/
	R134	QRSA08J-222YN	RESISTOR		R204	QVZ3513-222		, C COMB LEV
	R135	QRSA08J-223YN	RESISTOR		R206	QRSA08J-222YN	RESISTOR	
	R136	QRSA08J-222YN	RESISTOR		R207	QRSA08J-222YN	RESISTOR	
	R137	QRSA08J-102YN	RESISTOR		R208	QRSAOBJ-333YN	RESISTOR	
	R138	QRSA08J-102YN	RESISTOR		R209	QRSA08J-333YN	RESISTOR	
	R139	QRSA08J-OROY	RESISTOR		R210	QRSA08J-333YN	RESISTOR	
	R140	QRSAD8J-222YN	RESISTOR		R211	QRSA08J-333YN	RESISTOR	
	R141	QRSA08J-104YN	RESISTOR		R212	QRSA08J-562YN	RESISTOR	
	R142	QVZ3513-103	V RESISTOR , CCD BIAS1		R213	QRSA08J-471YN	RESISTOR	
	R143	QRSA08J-223YN	RESISTOR		R214	QVZ3513-222		, Y OUT LEV
	R144	QRSA08J-103YN	RESISTOR		R215	QRSAD8J-222YN	RESISTOR	,
	R145	QR\$A08J-222YN	RESISTOR		R216	QRD167J-750	RESISTOR	
	R146	QRSA08J-102YN	RESISTOR		R217	QRSAOBJ-271YN	RESISTOR	
	R147	QRSA08J-102YN	RESISTOR		R218	QRD167J-820	RESISTOR	
	R148	QRSA08J-222YN	RESISTOR		R219	QRSA08F-103YN	RESISTOR	
	R149	QRSA08J-104YN	RESISTOR		R220	QRSA08F-104YN	RESISTOR	
	R150	QVZ3513-103	V RESISTOR , CCD BIAS2					·
					R221	QRSA08F-104YN	RESISTOR	
	R 151	QRSA08J-472YN	RESISTOR		R222	QRSAOBF-103YN	RESISTOR	
	R 1 52	QRSA08J-222YN	RESISTOR		R223	QRSAO8F-104YN	RESISTOR	
	R 153	QRSA08J-102YN	RESISTOR		R224	QRSAOBF-104YN	RESISTOR	
	R 154	QVZ3513-102	V RESISTOR , 2H DL LEV		R225	QRSA08J-332YN	RESISTOR	
	R 155	QRSA08J-223YN	RESISTOR		R226	QRSAD8J-102YN	RESISTOR	
	R 1 56	QRSA08J-103YN	RESISTOR		R227	QRSA08J-223YN	RESISTOR	
	R157	QRSA08J-102YN	RESISTOR		R228	QRSAOBJ-123YN	RESISTOR	
	R158	QRSA08J-102YN	RESISTOR		R229	QRSA08J-272YN	RESISTOR	, C OUT LEV
	R159 R160	QVZ3513-102 QRSA08J-122YN	V RESISTER , 2H DL Resistor		R230	QVZ3513-332	4 VE31310M	, , , , , , , , , , , , , , , , , , , ,
	~ * 60	4" AWARA - 15" IU			R231	QRSA08J-152YN	RESISTOR	
	R161	QRSA08J-181YN	RESISTOR		R232	QRSA08J-471YN	RESISTOR	
	R162	QRSA08J-152YN	RESISTOR		R233	QRSA08J-OROY	RESISTOR	
	R163	QRSA08J-223YN	RESISTOR		R234	QRSA08J-OROY	RESISTOR	
	R164	QR\$A08J-103YN	RESISTOR		R235	QRSA08J-OROY	RESISTOR	
	R165	QRSA08J-122YN	RESISTOR		R236	QRSA08J-152YN	RESISTOR	
	R166	QRSA08J-681YN	RESISTOR		R237	QRSA08J-181YN	RESISTOR	
	R 1 70	QRSA08J-102YN	RESISTOR		R238	QRD161J-222	RESISTOR	
					R300	QRSAD8J-181YN	RESISTOR	
	R 1 71	QRSA08J-561YN	RESISTOR			ODC400 / 1071/**	DECTATOR	
	R 1 72	QRSA08J-152YN	RESISTOR		R301	QRSA08J-123YN	RESISTOR	
	R 1 73	QRSA08J-473YN	RESISTOR	1	R302	QRSAO8J-223YN	RESISTOR	
	R174	QRSA08J-473YN	RESISTOR		R303	QRSA08J-820YN	RESISTOR	
	R 1 75	QRSA08J-223YN	RESISTOR	İ	R304	QRSAD8J-330YN	RESISTOR	
	R 1 76	QRSA08J-222YN	RESISTOR		R305	QRSAD8J-563YN	RESISTOR	
	R177	QRSA08J-181YN	RESISTOR		R306	QRSAD8J-682YN QRSAD8J-331YN	RESISTOR RESISTOR	
	R178	QRSAO8J-223YN	RESISTOR		R307 R308	QRSAU8J-103YN	RESISTOR	
	R 1 79	QRSA08J-223YN QRSA08J-181YN	RESISTOR RESISTOR		R309	QRSAUSJ-1831N	RESISTOR	
	R180	#KOWOO_TOIL	RESISTOR	,	N307	4424000 - 005 I M		

*∆	REF NO.	PART NO.	PART NAME, DESCRIPTION	*4	REF NO.	PART NO.	PART NAME, DESCRIPTION
	R310	QRSA08J-104YN	RESISTOR		C168 C169	QCTA1CH-100	CAPACITOR
	R311	QRSA08J-104YN	RESISTOR		C170	QCYA1HK-223 QCTA1CH-220	.CAPACITOR CAPACITOR
	C100	QER40JM-476	E CAPACITOR		C171	QER41EM-335	E CAPACITOR
	C101	QER41CM-476	E CAPACITOR		C200	QER41CM-476	E CAPACITOR
	C102	QCYA1HK-223	CAPACITOR	l	C201	QCSA1HJ-100	CAPACITOR
	C103	QCTA1CH-470	CAPACITOR	l	C202	QER41CM-476	E CAPACITOR
	C104	QER40JM-476	E CAPACITOR	l	C203	QCYA1HK-223	CAPACITOR
	C105	QER40JM-476	E CAPACITOR	l	C204	QER41CM-476	E CAPACITOR
	C106	QEPAOJM-476	NP E CAPACITOR		C205	QER41CM-106	E CAPACITOR
	C107	QCTA1CH-6R0	CAPACITOR	ļ.	C206	QCYA1HK-102	CAPACITOR
	C108	QER41CM-106	E CAPACITOR	l	0200	GOTATING TOE	CAT ACT TOR
	C109	QER41CM-106	E CAPACITOR		L10	PGZ00638-221K	COIL
	C110	QER41CM-106	E CAPACITOR				
					Lll	PGZ00638-221K	COIL
	C111	QER41CM-106	E CAPACITOR		L12	PGZ00638-221K	COIL
	C112	QER41CM-106	E CAPACITOR		L14	PGZ00638-221K	COIL
	C113	QER41CM-106	E CAPACITOR	1	L15	PGZ00638-221K	COIL
	C114	QER41CM-106	E CAPACITOR	1	L16	PGZ00638-221K	COIL
	C115	QER41CM-476	E CAPACITOR	l	L17	PGZ00638-221K	COIL
	C116	QCYA1HK-223	CAPACITOR	l	L18	PGZ00638-221K	COIL
	C117	QCYA1HK-223	CAPACITOR	i	L19	PGZ00638-221K	COIL
	C118	QER40JM-476	E CAPACITOR				
	C119	QCYA1HK-223	CAPACITOR	l	LPF2	PGZ00941	LOW PASS FILTER
	C120	QER41HM-104	E CAPACITOR		LPF3	PGZ00942	LOW PASS FILTER
	C121	QCYA1HK-223	CAPACITOR		LPF4	PGZ00941	LOW PASS FILTER
	C122	QER41CM-476	E CAPACITOR	ł	DL1	PGZ00486	DELAY LINE
	C123	QCYA1HK-223	CAPACITOR	1	DLS	PGZ00486	DELAY LINE
	C124	QCYA1HK-223	CAPACITOR	l	DL3	PGZ00131-003	DELAY LINE
	C126	QCTA1CH-151	CAPACITOR	[. 0200101 000	DEENI EINE
	C127	QCYA1HK-223	CAPACITOR	▲	XB1	PU59642	CRYSTAL RESONATOR
	C128	QER40JM-476	E CAPACITOR	~			on to the neodin ton
	C129	QCYA1HK-223	CAPACITOR		K1	PGZ00627	CHIP FERRITE BEADS
	C130	QER41HM-104	E CAPACITOR	l	K2	PGZ00627	CHIP FERRITE BEADS
		-			K3	PGZ00627	CHIP FERRITE BEADS
	C131	QCYA1HK-223	CAPACITOR	ĺ			
	C132	QER41CM-476	E CAPACITOR	ı	THI	ERT-D2FGL301S	THERMISTOR
	C133	QCYA1HK-223	CAPACITOR		TH2	ERT-D2FFL400S	THERMISTOR
	C134	QCYA1HK-223	CAPACITOR				
	C136	QCYA1HK-223	CAPACITOR		VA1	PU49624-2	VARISTOR
	C137	QCTA1CH-100	CAPACITOR	Δî	VAZ	PU49624-2	VARISTOR
	C138	QCYAIHK-223	CAPACITOR	ŀ	VA5	PU49624-2	VARISTOR
	C139	QCYA1HK-223	CAPACITOR		VA6	PU49624-2	VARISTOR
	C140	QER41CM-476	E CAPACITOR		TP1	PGZ00587-00	TEST POINT, X8
	C141	QCYA1HK-223	CAPACITOR				
	C142	QCYA1HK-223	CAPACITOR		CN1	PU58844-14	CAP HOUSING
	C144	QER41CM-106	E CAPACITOR		CN2	PU58844-5	CAP HOUSING
	C145	QER41CM-106	E CAPACITOR		CN3	PU58844-13	CAP HOUSING
	C146	QER41CM-106	E CAPACITOR		CN4	PU58844-15R	CAP HOUSING
	C147	QEPA1AM-106	NP CAPACITOR		CN5	PGZ00659-12	CONNECTOR, (CN A)
	C148	QEPA1AM-106	NP CAPACITOR		CN6	PGZ00659-8	CONNECTOR, (CN B)
	C149	QEPAIAM-106	NP CAPACITOR		CN7	PGZ00659-9	CONNECTOR, (CN C)
	C150	QEPA1AM-106	NP CAPACITOR		CN8	PGZ00659-10	CONNECTOR, (CN D)
	C151	QER43CM-106	E CAPACITOR				
	C152	QER41CM-476	E CAPACITOR				
	C153	QCYA1HK-223	CAPACITOR				
	C154	QCYA1HK-223	CAPACITOR				
	C155	QER41CM-476	E CAPACITOR				
	C156	QCYA1HK-223	CAPACITOR				
	C157	QCYA1HK-223	CAPACITOR	Ì			
	C158	QCTA1CH-220	CAPACITOR				
	C159	QCYA1HK-223	CAPACITOR				
	C160	QER40JM-476	E CAPACITOR				
	C161	QER41CM-476	E CAPACITOR				
	C162	QCYA1HK-223	CAPACITOR				
	C163	QCTA1CH-120	CAPACITOR	}			
	C164	QETADJM-337	E CAPACITOR				
	C165	QCTA1CH-331	CAPACITOR				